# INTERIM ORDER 3RD QUARTER 2011 PROGRESS REPORT



ESTATE OF CHEMETCO, INC. HARTFORD, ILLINOIS

November 4, 2011

ESTATE OF CHEMETCO 3754 CHEMETCO LANE HARTFORD, ILLINOIS 62048

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# **Compliance Actions**

# 1.0 Actions Taken Toward Achieving Compliance with the Interim Order in 3<sup>rd</sup> Quarter 2011:

#### 1.1 Pot Slag Work Plan for Sales of Facility Assets

#### 1.1.1 Pot Slag Shipments

No shipments of Pot Slag were made during the 3<sup>rd</sup> Quarter 2011.

#### 1.1.2 Pot Slag Shipments - Demobilization and Decontamination

No demobilization and decontamination activities associated with Pot Slag shipments occurred during the 3<sup>rd</sup> Quarter 2011.

## 1.1.3 Pot Slag Shipments - Waste Generation

**Solid Waste:** No Pot Slag waste was generated during the 3<sup>rd</sup> Quarter 2011.

**Decon Debris:** No Decon and/or Debris associated with Pot Slag shipments were generated during the 3<sup>rd</sup> Quarter 2011.

**Wastewaters/Sludges**: No wastewater/sludges associated with the management of Pot Slag were generated during the 3<sup>rd</sup> Quarter 2011.

# 1.2 Copper Furnace Cleanup Solids Work Plan for Sales of Facility Assets

#### 1.2.1 Copper Furnace Cleanup Solids Shipments

During the 3<sup>rd</sup> Quarter 2011, the Estate of Chemetco sold approximately 22.52 metric tons (MT) of Copper Furnace Cleanup Solids (CFCS) to Aurubis AG in Lunen, Germany. The Estate loaded one 20 ft sea container on July 13, 2011. **Table 1** presents a summary of the CFCS that was sold and shipped during the 3<sup>rd</sup> Quarter 2011. **Table 1** is included in **Appendix A**.

# 1.2.2 Copper Furnace Cleanup Solids Shipments - Demobilization and Decontamination.

The Estate decontaminated the equipment and tools used for loading the Copper Furnace Solids during the 3<sup>rd</sup> Quarter 2011.

# **Compliance Actions**

#### 1.2.3 Copper Furnace Cleanup Solids Shipments - Waste Generation

**Solid Waste:** Small quantities of solid wastes were generated during the 3<sup>rd</sup> Quarter 2011. The solids were determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes were temporarily placed in satellite container (i.e. steel hopper) that was located adjacent to the west loading dock of the Dome building. In mid September, the contents were transferred to a 40 cubic yard (CY) roll off that American Integrated Services (AIS) was using for disposal of hazardous waste during demolition activities. Once the 40 CY roll off becomes full, it will be sent off for disposal during the 4<sup>th</sup> Quarter 2011.

**Decon Debris:** Small quantities of Decon and/or Debris associated with the CFCS were generated during the 3<sup>rd</sup> Quarter 2011. The decon debris was determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes were temporarily placed in satellite container (i.e. steel hopper) that is currently located adjacent to the west loading dock of the Dome building. In mid September, the contents were transferred to a 40 cubic yard (CY) roll off that American Integrated Services (AIS) was using for disposal of hazardous waste during demolition activities. Once the 40 CY roll off becomes full, it will be sent off for disposal during the 4<sup>th</sup> Quarter 2011.

**Wastewaters/Sludges**: Small quantities of wastewater/sludges associated with the management of CFCS were generated during the 3<sup>rd</sup> Quarter 2011. The Sludges were determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes were transferred to the frac tank adjacent to the Tank House building for future disposal.

## 1.3 Scrap Metal Work Plan for Sales of Facility Assets

## 1.3.1 Scrap Metal Shipments

As previously stated in the 3<sup>rd</sup> Qtr 2010 Report, the Scrap Metal Work Plan was submitted to the Illinois Environmental Protection Agency (IEPA) on September 24, 2009 for approval, but was not implemented as submitted. Instead, all scrap metal shipments were made under the approved Demolition Work Plan and are described in Section 1.5.1. However, during the 1<sup>st</sup> Qtr, 2011, the Estate spoke with IEPA to

# **Compliance Actions**

confirm work plan approval so that scrap metals not associated with the demolition activities could be sold and shipped separately.

During the 2<sup>nd</sup> Qtr 2011, the Estate resumed negotiations with existing buyers for the sale of Scrap Metals not associated with demolition activities. This included the sale of electric motors, crane parts, carbon steel ladles associated with the foundry, and other miscellaneous steel material. On September 27, 2011, the Estate sold approximately 53.4 tons of miscellaneous scrap metal for recycling to Alton Materials out of Alton, Illinois.

**Table 2** presents a summary of scrap metal shipped during the 3<sup>rd</sup> Quarter 2011. **Table 3** presents a summary of all historical scrap metal material shipments to date. It should be noted that the tables includes scrap metal shipments associated with both; demolition scrap metal and non demolition scrap metal. **Tables 2** and **3** are included in **Appendix B.** 

#### 1.3.2 Scrap Metals - Demobilization and Decontamination

The non demolition scrap metal loaded and shipped by the Estate required little gross decontamination, if any since the scrap metal had been exposed to the outdoor weather during all of 2011.

# 1.3.3 Scrap Metals Shipments – Waste Generation

**Solid Waste:** No quantities of Solid Wastes were generated in the 3<sup>rd</sup> Quarter 2011 under the Scrap Metal Work Plan.

**Decon Debris:** No quantities Decon and/or Debris associated with the shipments of scrap metals were generated in the 3<sup>rd</sup> Quarter 2011 under the Scrap Metal Work Plan.

**Wastewaters/Sludges**: No quantities of wastewater/sludges associated with the management of Scrap Metals were generated in the 3<sup>rd</sup> Quarter 2011 under the Scrap Metal Work Plan.

All other decontamination and waste generation associated with demolition activities under the approved Demolition Work Plan are described in Section 1.5.1.

# **Compliance Actions**

#### 1.4 Demolition Work Plan for Sales of Facility Assets

On June 24, 2010, the Demolition Work Plan (Demo Plan) was approved by IEPA. American Integrated Services (AIS) is the demolition subcontractor for Industrial Asset Disposition (IAD) and as such, is performing all the demolition activities. Refer to **Figure 1** for location of the demolition areas.

As stated in the 2<sup>nd</sup> Quarter 2011 Report, on June 22, 2011 a Kick-Off Meeting was held between the IEPA, USEPA, AIS, the Estate, and Paradigm Minerals (Paradigm) on site to announce that demolition activities were to resume during the 3<sup>rd</sup> Qtr, 2011. AIS resumed demolition activities after the 4<sup>th</sup> of July, 2011. AIS estimated that it would take approximately 2 to 3 months to complete the work. IEPA requested a revised schedule for the completion of the demolition activities and remaining work. **Figure 2** presents AIS revised schedule for the demolition activities.

## 1.4.1 Demolition Work Scrap Metal Shipments

Scrap metal shipments associated with demolition activities were shipped out during the 3<sup>rd</sup> Quarter 2011. During the 3<sup>rd</sup> Quarter 2011, scrap metal was generated during the demolition of the foundry building and to a lesser extent, the AAF area.

The various types of scrap metal/steel included carbon steel beams, stainless steel and other miscellaneous steel. All the scrap metals shipments were made in accordance with the Demolition Work Plan. Approximate 554 tons of scrap steel/metal from the Foundry Building was cut, removed, loaded and shipped to Grossman Steel out of St. Louis. Also, approximately 97 tons of stainless steel duct system from the AAF area was cut, removed, loaded and shipped to Hi-Lite International out of California for International export.

**Table 2** presents a summary of scrap metal shipped during the 3<sup>rd</sup> Quarter 2011. **Table 3** presents a summary of all historical scrap metal material shipments to date. It should be noted that the tables includes scrap metal shipments associated with both; demolition scrap metal and non demolition scrap metal. **Tables 2** and **3** are included in **Appendix B.** 

# **Compliance Actions**

# 1.4.2 Demolition Work Scrap Metals - Demobilization and Decontamination

As described in the approved Demolition Work Plan, AIS is performing the demolition and decontamination activities. The scrap metal was decontaminated by gross decontamination and removal of visible impacted material from the scrap metal by sweeping with brooms, and shaking, the scrap metal, if visible impacted material remained on the scrap metal, the scrap metal was decontaminated use a high pressure wash. The stainless steel was gross decontaminated and attempted to pressure wash it. It should be noted that some of the lead layer/film could not be completely removed. The spent decon water is stored in the two frac tanks located north east adjacent to the Tank House, and south adjacent to the Dome Building. In addition, AIS verbally requested, and received permission from IEPA to recycle the spent decon water from the frac tanks. The recycled decon water was to be used during the deconning of the interior of the foundry building, and during the deconning of the stainless steel.

# 1.4.3 Demolition Work Scrap Metals Shipments - Waste Generation

**Solid Waste:** Limited solid waste associated with the demolition activities was generated during the 3<sup>rd</sup>\_Quarter 2011. The solid waste was placed in a 40 CY roll off provided by Midwest Services and is awaiting disposal.

**Decon Debris:** Decon Debris associated with the demolition activities such as removal of scrap metals was generated during the 3<sup>rd</sup> Quarter 2011. Personal Protective Equipment (PPE) was placed in a 55-gallon drum used as a satellite container. Once the drum was full, the contents were transferred to a 40 CY roll off designated for disposal of hazardous material.

Wastewaters/Sludges: Wastewater/sludges associated with the management of metal scraps shipments were generated during the 3<sup>nd</sup> Quarter 2011. Wastewater/sludges associated with the management of Metal Scraps were generated during decontamination activities, and the spent water was stored in either of the two Baker Frac Tanks located on Site. One Baker Frac tank is located adjacent to the north side of the Tank House, and the second Baker Frac tank is located south, south east of the Dome Building, north of the Furnace Building. Wastewater associated with decontamination activities of the tank house was pumped to the Baker Frac Tank located adjacent to the Tank House. AIS verbally requested, and received permission from IEPA to recycle the spent decon water from the frac tanks. The recycled decon

# **Compliance Actions**

water was to be used during the deconning of the interior of the foundry building, and during the deconning of the stainless steel.

#### 1.5 Work Plans for RCRA Closures

#### 1.5.1 Brick Shop Container Storage Area Closure Status

A "No Further Action" (NFA) letter was issued by IEPA on March 3, 2010, As such, no further action is required, and closure of the Brick Shop Container Storage Area is considered complete.

# 1.5.2 AAF Decontamination Area and Sump Closure Status

On June 24, 2010, a Demolition Work Plan (Demo Plan) was approved by IEPA. The AAF SWMU closure work was incorporated into the Demo Plan and closure work will be performed under the Demo Plan. Decontamination of the AAF area and sump closure was projected to be performed during the 3<sup>rd</sup> and 4<sup>th</sup> Quarter 2010. The sump area was pressured washed with water from the deep well, and the discharge pipe sealed with concrete. Because demolition activities were shut down by AIS during the 1<sup>st</sup> and 2<sup>nd</sup> Qtr 2011, final demolition activities have been projected back. AIS resumed demolition activities during the 3<sup>rd</sup> Quarter and the work should be completed during 4<sup>th</sup> Qtr 2011. The AAF Decontamination Area and Sump Area Closure Report will be completed within 60 days after completion of demolition activities.

#### 1.5.3 Black Acid Tank Closure Status

The Black Acid Tank (located inside the southeast corner of the Tank House) is considered a RCRA Solid Waste Management Unit (SWMU). As such, the tank closure should follow RCRA closure guidelines. The Black Acid Tank closure was incorporated into the Demo Plan and the work was performed under the Demo Plan. During the 3<sup>rd</sup> and 4<sup>th</sup> Quarter 2010, the Black Acid Tank was removed from the Tank House cut in half, and moved east of the Tank House Building where it waits for disposal. The area within the Black Acid Tank was pressured washed and water was allowed to evaporate, remaining water was contained in the frac tank. Because demolition activities were shut down by AIS during the 1<sup>st</sup> and 2<sup>nd</sup> Qtr 2011, final demolition activities have been projected back. AIS resumed demolition activities

# **Compliance Actions**

during the 3<sup>rd</sup> Quarter and the work should be completed during 4<sup>th</sup> Qtr 2011. The Black Acid Tank Closure Report will be completed within 60 days after completion of demolition activities.

# 1.5.4 Foundry Building, AAF System, and Tank House Demolition Work Plan (Demo Plan) Status

On June 24, 2010, the Demo Plan was approved by IEPA. The demolition work activities began in June during the 3<sup>rd</sup> Quarter 2010, shutdown in January during the 1<sup>st</sup> Ouarter 2011, and work resumed in July during the 3<sup>rd</sup> Ouarter 2011. To date, nearly all of the interior equipment and material inside the Tank House has been removed leaving only the building frame and ceiling and walls, and the tank house building has been deconned. The spent water was allowed to evaporate and/or placed in the frac tank. The Black Acid Tank that was located in the Tank House has been cut in half and will require disposal. Also, during the 3<sup>rd</sup> Quarter 2011, the asbestos abatement of the offices located in the Tank House and Foundry building were completed by Advance Environmental Services (AES), a subcontractor to AIS. . The fines recovered from the AAF area and parts of the Foundry Building have been moved to the fines building for possible future use. The siding from the east wall and electrical conduits has been removed from the Foundry Building. Also, the roof along the west portion of the foundry building was removed to allow access for a crane to remove the manifold above the foundry building. On September 12 and 13 Bollmeier Crane Company (subcontractor to AIS) and AIS removed the manifold above the foundry building in the presence of IEPA, media, and local city officials. Also five above ground storage tank (AST) are yet to be removed. One AST is located within the AAF and contains Sodium Hydroxide (NaOH); three ASTs are located adjacent to polishing pits, and one AST is located west of the Tank House. In addition, there have been discussions between AIS and Paradigm regarding the possibility of leaving the two above ground buildings that are located within the AAF area for potential use.

#### 1.5.5 Furnace Removal Work Plan

Metallo appears to renew their interest on the furnaces, and negotiations between the Estate and Metallo have resumed. In accordance to the approved Demo Plan, the Furnaces will not be removed until all of the buildings in the Demo Plan have been

# **Compliance Actions**

removed and decontaminated. AIS continue to dismantle the foundry building, while working around the furnaces. Any changes on the status of the furnaces will be conveyed to the IEPA and USEPA in a timely manner.

#### 1.6 Waste Management

#### 1.6.1 Hazardous Waste

**Satellite Containers**: At the end of the 3<sup>rd</sup> Quarter 2011 the Estate had two satellite containers on site:

• Two satellite containers are located along the west loading dock of the dome building and contain miscellaneous debris, plastic, and wood and paper. In mid September, the contents were transferred to a 40 cubic yard (CY) roll off that American Integrated Services (AIS) was using for disposal of hazardous waste during demolition activities. Once the 40 CY roll off becomes full, it will be sent off for disposal during the 4<sup>th</sup> Quarter 2011.

# 1.6.2 Hazardous Waste Containers - Awaiting Disposal

During the 3<sup>rd</sup> Qtr 2011, Hazardous Waste was generated during demolition activities. The hazardous waste was placed in appropriate containers and properly labeled. The following Hazardous Waste containers were generated: and are waiting disposal:

- Nine 40 Cubic Yard (CY) roll off containers of hazardous waste. The bins contain miscellaneous demolition debris (i.e. wood debris, plastic pipes, PPE, insulation, scrap metals, etc.) impacted with lead and cadmium and were generated from the Foundry Building. It should be noted that two of the nine roll offs contain Asbestos material that was removed during the abatement work. The asbestos was impacted with lead and cadmium dust.
- Two 20 CY roll off containers of hazardous waste. The bins contain primarily
  miscellaneous demolition debris (i.e. wood debris, plastic pipes, scrap metals,
  surface spills, etc.) impacted with lead and cadmium and were generated from
  the Foundry Building.

# **Compliance Actions**

#### 1.6.3 Hazardous Waste Disposal

The Estate disposed of the following Hazardous Waste during the 3<sup>rd</sup> Qtr 2011.

One 55-gallon open top steel drum of "Hazardous Waste, Solids, NOS (PPE, -D006, D008). The drum contains PPE, decon pad from the deconning activities associated with the scrap metal and copper furnace solids shipments.
 The drum was picked up for disposal on August 11, 2011 of the 3<sup>rd</sup> Qtr 2011

A summary of hazardous waste disposed during the 3<sup>rd</sup> Quarter 2011 is presented in **Table 4**. A summary of all historical hazardous waste disposals to date is presented in **Table 5**. **Tables 4** and **5** are located in **Appendix C**.

#### 1.6.4 Disposal of Non-Hazardous Waste(s)

The Estate generated non-hazardous waste (ex. empty paper and administrate office, bathrooms and lunch room) during the 3<sup>rd</sup> Quarter 2011. These wastes were disposed in the site's municipal waste dumpster serviced by Robert Sanders Waste Systems, Inc. at the Roxanna Landfill. During demolition activities, no non-hazardous waste was disposed of during the 3<sup>rd</sup> Qtr 2011.

A summary of all Non-Hazardous waste disposals is presented in **Table 6** located in **Appendix C**.

## 1.7 Operation and Maintenance Status

#### 1.7.1 Operations and Maintenance Plans Status

On October 24, 2008, the Estate submitted to the State of Illinois the following required Operation and Maintenance Plans that are currently awaiting approval by IEPA:

- (1) Fugitive Emissions Plan
- (2) Stormwater Management Plan
- (3) Groundwater Monitoring Plan
- (4) Security Plan

# **Compliance Actions**

#### 1.7.2 Fugitive Emissions Plan

There was no evidence of reportable fugitive emissions during the 3<sup>rd</sup> Quarter 2011 on the Chemetco site.

## 1.7.3. Stormwater Management Plan

As required by the Estate's NPDES Permit IL0025747 Outfall #005, copies of the electronically Discharge Monitoring Reports and analytical results for the discharge of stormwater from the Stormwater Basin for the months of July, August, and September 2011. A summary of the 3<sup>rd</sup> Quarter 2011 analytical results are shown in **Table 7** located in **Appendix D**.

### 1.7.4 Groundwater Monitoring Plan

The Estate does not perform any groundwater monitoring.

### 1.7.5 Security Plan

On May 14, 2010, the Estate and IAD secured the services of Securitas to provide security for the site during after working hours (i.e. 7:00 pm to 3:00 am Monday thru Sunday). In addition, at the request of USEPA, the Estate submitted a "Security Plan and Action Items" on May 25, 2010. The objective of the Security Plan was to address areas of security deficiency, and securing areas of the site where trespassers could gain access to the interior of the site and conceivably pose a potential risk to human health.

Nearly all of the Action Items were completed during the 4<sup>th</sup> Quarter 2010, as such, the Estate requested, and USEPA agreed to reduce the weekly submittals to biweekly. During the 1<sup>st</sup> Qtr 2011, the Estate requested and USEPA conditionally agreed to reduce the bi-weekly submittals to monthly submittals starting the May 27, 2011. The initial submittal included a project forecast to describe when site will be restored to existing condition prior to demolition activities. A revised proposed schedule was submitted to USEPA on August 31, 2011. Copies of the 3<sup>rd</sup> Qtr 2011 monthly security reports are included in **Appendix E**.

# **SECTION**TWO

# **Summary of Results**

# 2.0 Summary of Results of Sampling, Tests, and Other Data Received in 3rd Quarter 2011:

**2.1 Sales Materials Shipping Data**. Copper Furnace Cleanup Solids (CFCS), scrap metal not associated with demolition activities, and scrap metal associated with demolition activities were sold and shipped during the 3<sup>rd</sup> Qtr 2011. Sale and shipping activities are described in Section 1. Summary **tables** (1, 2, and 3) of shipping data generated during the 3<sup>rd</sup> Quarter 2011 are included in **Appendix A** and **Appendix B**.

#### 2.2 Stormwater Release Data

The Estate of Chemetco manages stormwater through the NPDES Permit IL0025747 Outfall #005 (Stormwater Retention Basin). Surface water samples are collected monthly. Analytical data of eDMR (Electronic Discharge Monitoring Report) are electronically submitted to IEPA via state's website. Hard copies of eDMR forms are included in **Appendix D.** 

During the 3<sup>rd</sup> Quarter 2011, all parameters and constituents were below IEPA Effluent Water Quality Standards, except for Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), and pH. COD and pH results for July, August, and September were above the IEPA Effluent Water Quality Standards. TSS results for August and September exceeded IEPA Effluent Water Quality Standards. It should be noted that during August and September sampling event, the discharge flow was non existent.

**Table 7** presents a summary of 3<sup>rd</sup> Quarter, 2011 analytical results and is included in **Appendix D.** 

# **SECTION**THREE

# **Completed Deliverables**

3.0 Identify Submitted and Completed Work Plans and Other Deliverables Required by Interim Order in 3<sup>rd</sup> Ouarter 2011

#### 3.1 The Estate submitted Work Plans and Other Deliverables as follows:

# 3.1.1 Interim Order 2<sup>nd</sup> Quarter 2011 Progress Report

The Estate submitted the 2<sup>nd</sup> Quarter 2011 Progress Report, Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)), dated July 22, 2011 to Erin Rednour, IEPA and James Morgan, Attorney General's office as required by the Interim Order.

# 3.1.2 Demolition Work Plan

The Demolition Work Plan was submitted to IEPA on May 6, 2010. The Demolition Work Plan was approved by IEPA on June 24, 2010. The demolition of the Tank House building has been nearly completed. The cut Black Acid Tank is currently located near the east of the Tank House waiting for disposal. Demolition of the AAF Area has been nearly completed. Most of the east wall of the Foundry Building has been removed, except the north eastern portion. Asbestos abatement work has been completed in the foundry building and tank house offices. On September 12 and 13, 2011, the overhead manifold was removed from the Foundry Building. Demolition of approximate 40% of the foundry building has been completed.

#### 3.1.3 Scrubber Sludge Work Plan

On October 14, 2010, The Estate of Chemetco and Paradigm Minerals submitted a Work Plan to IEPA requesting approval to sell Scrubber Sludge Material that is currently stored in the DIS building and Receiving Building. The Estate received deficiency comments from IEPA on November 4, 2010. The Estate addressed the comments and a revised Scrubber Sludge Work Plan was submitted to IEPA on November 24, 2010. The Estate and Paradigm received conditional approval from IEPA on February 9, 2011. During the 2<sup>nd</sup> Qtr 2011, the Estate and Paradigm negotiated the sale of the Scrubber Sludge mixed with fines (approximately 3,000 to 3,500 mt) to H&H Metals out of New York. On April 29, 2011 the Estate submitted Notification of Winning Bidder and Signed Contract to IEPA. On May 10, 2011, the

# **SECTION**THREE

# **Completed Deliverables**

Estate met on site with IEPA to discuss proposed changes to approved work plan. On the same day, the Estate submitted electronically via email an Addendum to the Work Plan describing proposed changes in order to properly load the material in sea containers. On June 2, 2011, the Estate received addendum approval to sell approximately 3000-3500 dry mt of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China. On July 26, 2001, the Estate and Paradigm received conditional approval of addendum to Scrubber Sludge Work Plan. Due to the volatile market, no scrubber sludge was shipped during the 3<sup>rd</sup> Quarter 2011.

#### 3.2 Completed Work Plans and Other Deliverables

#### 3.2.1 Cupro Work Plan

The Cupro Work Plan was completed in the 2<sup>nd</sup> and 3<sup>rd</sup> Quarter 2010. All of the Cupro Material has been sold, and no further shipment of saleable Cupro material is expected. COMPLETED.

#### 3.2.2 Caustic Tank Work Plan

The Caustic Tank Work Plan was completed in the 4<sup>th</sup> Qtr 2010. The Caustic Tanks was sold to Tank Trailer Cleaning (TTC) and removed from the Site and no additional work associated with the Caustic Tank is expected. COMPLETED.

# <u>3.2.2 Other Deliverables - Contained herein are copies of:</u>

- 1. Summary of Copper Furnace Cleanup Solid shipments during 3<sup>rd</sup> Quarter 2011, **Table 1** located in **Appendix A**.
- 2. Summary of 3<sup>rd</sup> Quarter 2011 and historical Scrap Metal shipments, **Tables 2** and **3** located in **Appendix B**.
- 3. Summary of 3<sup>rd</sup> Quarter 2011 and historical Hazardous Wastes and Non-Hazardous disposal during the 3<sup>rd</sup> Quarter 2011, **Tables 4, 5** and **6** located in **Appendix C**.
- 4. Stormwater Discharge Monitoring Reports, and **Table 7** located in **Appendix D**.
- 5. Monthly Security Plan and Action Items Reports, located in Appendix E.

# SECTIONFOUR

# Scheduled Actions for 4th Qtr 2011

# 4.0 Describe Actions Scheduled for 4th Quarter 2011 and Information Related to Progress.

#### 4.1 Shipments Sales of Facility Assets

#### 4.1.1 Pot Slag Shipments

Approximately less than 40 mt remain on site. The Estate expects to sell and ship the remaining Pot Slag Material in the foreseeable future.

#### 4.1.2 Copper Furnace Cleanup Solids Shipments

During the demolition of the foundry building, additional CFCS material was accumulated and temporarily stored in the northwest corner of the foundry building. The Estate plans to assay the CFCS and prepare an addendum to the approved CFCS work plan to sell and ship the remaining CFCS during the 4<sup>th</sup> Qtr 2011.

## 4.1.3 Scrubber Sludge Shipments

The Estate submitted a Scrubber Sludge Work Plan on November 24, 2010 to IEPA for approval of sale of Scrubber Sludge stored in the DIS building and Receiving building. IEPA conditionally approved the Scrubber Sludge Work Plan on February 9, 2011. The Estate negotiated the sale of the SCM with potential buyers and is expected to begin shipping during the 3<sup>rd</sup> Qtr 2011. During the 2<sup>nd</sup> Qtr 2011, a notification letter was sent to IEPA and documents identifying the buyer, name and place of final destination of material will be submitted to IEPA for approval as required under the conditionally approved letter dated February 9, 2011. On June 2, 2011, the Estate received addendum approval to sell approximately 3,000-3,500 dry mt of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China.

Due to the ongoing and uncertain volatile turmoil in the commodity market, no Scrubber Sludge was shipped during the 3<sup>rd</sup> Qtr 2011. However, the commodity appears to be rebounding, as such, the Estate and Paradigm plan to begin loading and shipping the scrubber sludge during the 4<sup>th</sup> Qtr 2011.

# SECTIONFOUR

# Scheduled Actions for 4th Qtr 2011

# 4.2 Foundry Building, AAF System, and Tank House Demolition Work Plan (Demo Plan)

The Demolition Plan was approved by IEPA on June 24, 2010. Preliminary site activities began during June of the 3<sup>rd</sup> Quarter 2010. Demolition activities include decontamination and demolition of the Foundry Building, the AAF System, and the interior of the east end of the Tank House. The demolition work started in June of 3<sup>rd</sup> Quarter 2010.

On January 19, 2011 of the 2<sup>nd</sup> Qtr 2011, AIS informed IEPA and USEPA that demolition activities would be shut down during the winter months due to inclement whether. Demolitions activities were shutdown through the end of the 2<sup>nd</sup> Qtr 2011.

Demolition Activities resumed on July of the 3<sup>rd</sup> Qtr 2011. AIS is targeting mid 4<sup>th</sup> Qtr 2011 for completion of all demolition work.

#### 4.3 Furnace Removal Work Plan

Metallo appears to renew their interest on the 3-TBRC furnaces located inside the Foundry Building, and negotiations between the Estate and Metallo have resumed. As such, in accordance to the approved Demo Plan, the Furnaces will not be removed until all of the buildings in the Demo Plan have been removed and decontaminated. Any changes on the status of the furnaces will be conveyed to the IEPA and USEPA in a timely manner.

#### 4.4 Pilot Plant Treatability Study

On January 8, 2010, AMEC Geomatrix, on behalf of IAD submitted to, IEPA a memo (Subject: Chemetco – Pilot Plant Treatability Study Processing of Metal Bearing Materials). IEPA, approved with "conditions." the study in a letter to IAD dated February 5, 2010.

The pilot plant continues to operate on a trial run basis. Bi-weekly Project Status Reports were submitted to IEPA and USEPA by IAD, and AMEC Geomatrix on behalf of IAD. On December 13, 2010, Bi-weekly Project Status Reports were submitted only by IAD. During the 1<sup>st</sup> Qtr 2011, Paradigm submitted to IEPA and USEPA a Work Plan titled "Scrubber Sludge and Slag Work Plan" dated March 4, 2011. Paradigm continues to

# **SECTION**FOUR

# Scheduled Actions for 4th Qtr 2011

work on additional deliverables. During the June 22, 2011 Demolition Activities Kick-off Meeting, Paradigm personnel, informed the IEPA that an Interim Pilot Plant Report could be submitted to IEPA and USEPA during the 3<sup>rd</sup> Qtr 2011.

On August 15, 2011, Paradigm submitted a report titled "Supplemental Pilot Plant Summary Report" to IEPA and USEPA. Paradigm is planning to request a meeting with IEPA and USEPA to discuss the contents of the report and hope to move forward towards obtaining approval to begin processing the Metal Bearing Material (MBM).

# SECTIONFIVE

# **Completed Action items**

#### 5.0 Percentage of Completion, Delays, and Mitigation

#### 5.1 Shipments and Sales of Facility Assets

#### 5.1.1 Cupro Shipments

Shipment of all saleable Cupro is 100% complete. The Estate shipped approximately 2,242 mt of Cupro. COMPLETED.

#### 5.1.2 Pot Slag Shipments

Approximately 40-80 mt of Pot Slag remains on site and will be sold in the foreseeable future, and probably after the completion of the demolition activities.

## **5.1.3 Copper Furnace Cleanup Solids Shipments**

During the 3<sup>rd</sup> Quarter 2011, approximately 20 mt of Copper Furnace Cleanup Solids was sold and shipped to Aurubis AG.

#### 5.1.4 Caustic Tank Work Plan

TTC removed the NaOH and the Poly AST during the 4<sup>th</sup> Quarter 2010 in accordance with the approved work plan. The tank was properly deconned by TTC using hot clean water brought from their facility, after deconning and removal of the water, the AST was loaded and transported to their facility in East St. Louis for their use. The Caustic Tank was removed and the work is deemed COMPLETED.

#### 5.2 Work Plans for RCRA Closures

#### 5.2.1 Brick Shop Container Storage Area

100% complete and requires No Further Action and is considered CLOSED.

#### 5.2.2 AAF Decontamination Area and Sump

The work has been incorporated into the approved Demolition Plan and will be completed as part of the demo work. A closure report will be submitted within 60 days of completion of the demo work.

# SECTIONFIVE

# **Completed Action items**

#### 5.2.3 Black Acid Tank

The work has been incorporated into the approved Demolition Plan and will be completed as part of the demo work. A closure report will be submitted within 60 days of completion of the demo work.

**Modifications** 

#### 6.0 Modifications to Work Plans or Schedules Proposed or Approved by IEPA:

The Interim Order was set to expire on September 16, 2011. The Estate, Paradigm and IEPA were able to agree and obtain an extension to the Interim Order till November 30, 2011 in order to complete the Demolition Work. In addition IEPA is aware that an additional extension may be necessary to complete all of the work under the already approved work plans.

#### 6.1 Work Plan Modifications

#### 6.1.1 Pot Slag Work Plan

Notification and/or revisions to the current Pot Slag Work Plan will be submitted to IEPA and USEPA concerning future selling of the remaining Pot Slag on Site.

#### 6.1.2 Copper Furnace Cleanup Solids Work Plan

An addendum to the Copper Furnace Cleanup Solids Work Plan was made during the 2<sup>nd</sup> Quarter 2011 to load the CFCS material from a different location as originally described. The addendum described using the west loading dock adjacent to the dome building because a portable loading ramp was not available. Notification and/or addendum to the current CFCS Work Plan will be submitted to IEPA and USEPA concerning future selling of the remaining CFCS on Site. During the demolition of the foundry building, additional CFCS material was accumulated and temporarily stored in the northwest corner of the foundry building. The Estate plans to assay the CFCS and prepare an addendum to the approved CFCS work plan to sell and ship the remaining CFCS during the 4<sup>th</sup> Qtr 2011.

# 6.1.3 AAF Decontamination Area and Sump

RCRA Closure Plan has been incorporated into the Demo Plan. A RCRA Closure Report will be submitted within 60 days of completion of the demo work.

#### 6.1.4 Black Acid Tank

RCRA Closure Plan has been incorporated into the Demo Plan. A RCRA Closure Report will be submitted within 60 days of completion of the demolition work.

# **Modifications**

#### 6.1.5 Scrubber Sludge Work Plan

During the 2<sup>nd</sup> Qtr 2011, the Estate and Paradigm negotiated the sale of the Scrubber Sludge and Scrubber Sludge mixed with fines to H&H Metals out of New York. On April 29, 2011 the Estate submitted Notification of Winning Bidder and Signed Contract. On May 10, 2011, the Estate met on site with IEPA to discuss proposed changes to approved work plan. On the same day, the Estate submitted electronically via email an Addendum to the Work Plan describing proposed changes in order to properly load the material in sea containers.

On June 2, 2011, the Estate received approval to sell approximately 3,000-3,500 dry MT of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China. Due to changes in international regulations, the scrubber sludge was required to be shipped in 1MT supersacks. Because the Estate's bagging mechanism was destroyed, Fred Weber Inc. (FW) was subcontracted by Paradigm to assist with the loading of the supersacks. On July 18, 2011 an Addendum depicting the supersack loading activities was submitted to IEPA. On July 26, 2011 the Estate of Chemetco received from IEPA conditional approval to proceed with the loading of Scrubber Sludge in 1MT Supersacks.

#### 6.2 Schedule Modifications

On June 22, 2011 a Kick-Off Meeting was held at the site for AIS to inform the IEPA and USEPA their intention to resume demolition activities during the 3<sup>rd</sup> Qtr, 2011. AIS estimated that it will take approximately 2 to 3 months to complete the work. IEPA and USEPA requested that a revised work schedule. **Figure 2** presents AIS revised demolition work schedule.

#### 6.2.1 Pot Slag Work Plan

Approximately 20 mt remain to be shipped. The Estate will negotiate with potential purchasors, all of whom have previously purchased Pot Slag. After notification and/or revisions to the Work Plan, the remaining Pot Slag will be sold in the foreseeable future.

# **Modifications**

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# **Modifications**

# 6.2.2 Copper Furnace Cleanup Solids Work Plan

The Estate expects to ship the CFCS to Aurubis AG during the 3<sup>rd</sup> Qtr 2011. Shipping of the remaining CFCS will be worked around the demolition activities.

#### 6.2.3 Pilot Plant Treatability Study

The Pilot Plant Treatability Study work continues to operate on a trial run basis. At this time, there is no firm date as to completion of process development work. During the 2<sup>nd</sup> Qtr 2011, Paradigm submitted a work plan titled "Scrubber Sludge and Slag Process Plan" dated March 4, 2011. Paradigm continues to work on additional deliverables. During the June 22, 2011 Demolition Activities Kick-off Meeting, Paradigm personnel, informed the IEPA that an Interim Pilot Plant Report could be submitted to IEPA and USEPA during the 3<sup>rd</sup> Qtr 2011. On August 15, 2011, Paradigm submitted a report titled "Supplemental Pilot Plant Summary Report" to IEPA and USEPA.

#### 6.2.4 Demo Plan

Final Demo Work Plan was approved by IEPA on June 24, 2010. Demolition work began in June 3<sup>rd</sup> Quarter 2010. Demolition work in the Tank House Building has been completed. In addition, the majority of the work in the AAF area has been completed and work has begun along the eastern sidewall of the foundry building. The main power was shut off on December 3, 2010 to complete the work in the AFF area and begin work in the foundry building. Temporary generators were brought it to provide temporary power. Due to inclement whether, AIS informed IEPA and USEPA their intention to shutdown demolition activities. No Demolition activities occurred between January 19, 2011 of the 1<sup>st</sup> Qtr 2011 and June 30, 2011 of the 2<sup>nd</sup> Qtr 2011.

On June 22, 2011 a Kick-Off Meeting was held at the site for AIS to inform the IEPA and USEPA their intention to resume demolition activities in July during the 3<sup>rd</sup> Qtr, 2011. AIS estimated that it will take approximately 2 to 3 months to complete the work. IEPA and USEPA requested that a revised work schedule be provided. The revised schedule is included as Figure 2 of the 3<sup>rd</sup> Quarter 2011 Progress Report.

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 25 of 31

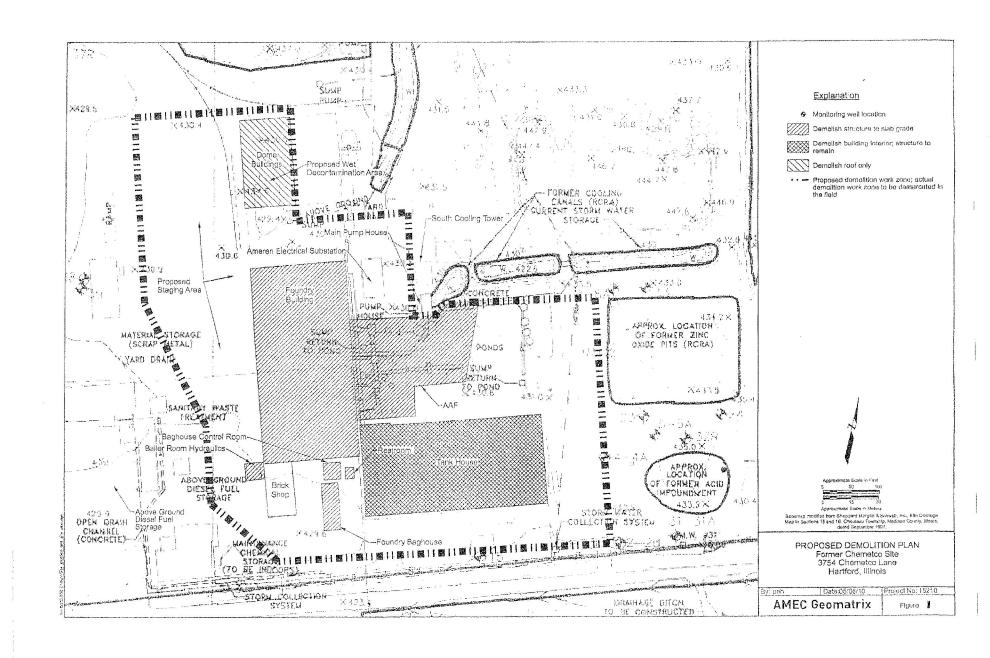
# **SECTIONSIX**

# **Modifications**

Demolition activities resumed after July 4, 2011. Adjustments to the schedule may be warranted due to inclement weather conditions.

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 26 of 31

# **Figure**



Control   Cont		CHEMETCO DEMOLITION & DECONTAMINATION 3754 CHEMETCO LANE HARTFORD, IL	2 2 mm s	
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Part			f 5 10030000 1803 10000	
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Miles   Mile		Weld 7/13/11: 77tz as new BECIPIE GTTB, FORCENDE & BINP'S	2 days Tu+ 7/12/11 Wed 7/13/11 7/	SECURE SITE, FENCING & BMP'S
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RECORD STANLING REPREPATION NOT FINE   19   19   19   19   19   19   19   1				
NATIONAL PRINTEND NATIONAL P		Sate 1971 70 Control of the Control	24 days Mon 7/18/11 Sat e/13/11	SCREEN DEBRIS AS NECESSARY & PLACE IN RCRA BIN
NATIONAL TRANSPORT IN FOUNDAY   18 18 18 18 18 18 18 18 18 18 18 18 18		Sat 6/20/11 7/05 - WILLIAM SATE OF THE SAT	24 days Mon 7/25/11 Set 6/20/11	
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	CTURE DESIGN SACHOUSE	F1 G100/11	5 days Mor 9/26/11 Fri 9/30/11	
	o o o o o o o o o o o o o o o o o o o	5H 1077/11	5 days Mor 1073/11 Frt 1077/11	DEMO & CUT FURNACES, REMOVE REFRACTORY BRICK
	swift is an equipped plante blaster	Sal 10/15/11	5 days Tue 10/11/11 Sat 10/15/11	
Test Official o Note Official Additional Comments (Solidad State)  Test Official o Note Official Additional Comments (Solidad State)  Test Official Official Additional Comments (Solidad State)  Test Official Official Additional Comments (Solidad State)  Test Official Official Comments (Solidad State)  Test Official Official Official Comments (Solidad State)  Test Offi	3 Deeffee	Obresso e Robella Trak Robella Majore o Salt Pajet Connegy Barth Trak Sucho Spring Distributely United Connegy Consumment of Following 3	Task 11 mg/m	nempsico Schiedulis Ravili

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 27 of 31

**APPENDIX**A

**Copper Furnace Cleanup Solids Shipments** 

### TABLE 1

# Summary of Copper Furnace Cleanup Solids Shipments 3rd Quarter 2011 Progress Report Estate of Chemetco Hartford, Illinois

Number of Shipments	Bill of Lading Number	Container (CTU) #	Date Container Loaded	Approximate Weight in Ibs	Approximate Weight in tons	Approximate Weight in kg	Approximate Weight in mt
1	49589	FCIU 430556-4	7/13/2011	45,040	22.52	20,430	20.43
	Total Coppe	er Furnace Solids Shipped	in 3rd Qtr 2011:	45,040	22.52	20,430	20.43

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 28 of 31

# **APPENDIX**B

Scrap Metal Shipments

## TABLE 2 **Summary Of Scrap Metal Shipments** 3rd Quarter 2011 Progress Report **Estate Of Chemetco** Hartford, Illinois

						Tons of			Misc.		Misc.	Misc, tank and
				Iron and		Aluminum Metal Sold	Stainless Steel	Motors Sold to	Copper Sold to	Pot Slag Ladles	Motors and Crane	clarifier sold to
				Steel Sold		to Wallach	Sold to Hi-	Interco	Wallach	sold to	Parts Sold	Tank
				to	Alton	Trading	Light	Trading	Trading	Harsco	to Casey	Trailer
1	Number of	Date of Chinmont	Bill of Lading Number	Grossman Steel (2)	Materials	Company (2)	International (2)	Company (2)	Company (2)	Metals (3) B	Equipment (3) C	Cleaning (3)
	Shipments	Date of Shipment August 1, 2011	49590	13.9	(2)	(2)	(2)	(2)	(2)	(3) D	(3) 0	(0)
	71 72	August 1, 2011	49591	10.04		<b></b>						
	73	August 5, 2011	49592	15.12								
	74	August 9, 2011	49593	11.64								
	75	August 12, 2011	HDMU 644809-9				19.20					
	76	August 16, 2011	TCNU 740060-0	46.05			19.29					
	77 78	August 19, 2011 August 19, 2011	49594 49595	16.35 13.48			ļ				-	
	79	August 25, 2011	HDMU 633298-2	13.40			19.36					
	80	August 30, 2011	TNCU 860015-7				19.55					
	81	August 30, 2011	49596	14.23								
	82	August 30, 2011	49597	6.61								
	83	September 9, 2011	49598	9.36			<b></b>				ļ	
	84 85	September 9, 2011 September 9, 2011	49599 49600	7.08 5.54		<u> </u>	<b></b>	<del> </del>				
	86	September 13, 2011	49601	5.63			<del> </del>				<del> </del>	
	87	September 13, 2011	49602	7.29								
	88	September 15, 2011	49603	13.92								
	89	September 15, 2011	49604	13.58								
3rd	90	September 16, 2011	49606	11.88								
Quarter 2011	91 92	September 16, 2011	49607 49608	12.12 12.77			<del> </del>	ļ				
2011	93	September 19, 2011 September 19, 2011	49609	10.36		ļ	<del> </del>					
	94	September 19, 2011	49610	13.75								
	95	September 19, 2011	49611	11.56								
	96	September 19, 2011	49612	11.54								
	97 98	September 20, 2011	49613	10.76								
	98	September 20, 2011 September 20, 2011	49614 49615	11.73 9.78		<b> </b>	<b>_</b>					
	100	September 20, 2011	49616	12.84	<b></b>		<b> </b>					
	101	September 21, 2011	HDMU 740565-1				19.63					
	102	September 23, 2011	49617	13.12								
	103	September 23, 2011	49618	10.63					2 20 2			
	104	September 23, 2011	49619	7.33								
	105 106	September 27, 2011 September 27, 2011	49622 49623	11.45 15.84			<u> </u>					
	107	September 27, 2011	49625	9.68								
	108	September 27, 2011	49626	15.16								
	109	September 27, 2011	49627	10.14								
	110	September 27, 2011	49628	9.04								
	111 112	September 27, 2011	49629 49630	13.80			-					
	113	September 27, 2011 September 27, 2011	49630	10.28	19.03			<u> </u>	<u> </u>			
	114	September 27, 2011	49621		16.71							
	115	September 27, 2011	49624		17.71							
	116	September 28, 2011	49631	12.77								
	117	September 28, 2011	49632	12.63								
	118 119	September 28, 2011	49633	10.96								
	120	September 28, 2011 September 28, 2011	49634 49635	8.07 13.06								
	121	September 29, 2011	49636	11.16			<del> </del>					
	122	September 30, 2011	49637	13.47								
	123	September 30, 2011	49638	15.78								
	124	September 30, 2011	49639	13.30								
	125 126	September 30, 2011 September 30, 2011	49640	11.74				L			-	
	120		49641 TOTAL TONS	12.15 <b>554.41</b>	53.46	0.00	97.03	0.00	0.00	0.00	0.00	0.00
الـــــــا	Note:		TOTAL TONS	554.41	<b>93.46</b>	0.00	91.03	0.00	0.00	0.00	0.00	0.00

Note:

- (1) Short Ton = 2000 lb
- (2) Gross Ton = 2240 lb
- (3) = Material sold under the Scrap Metal Work Plan A= Aboveground Steel-Sand Storage Tank
- B=Pot Slag Ladles (total of 3 ladles)
- C= Crane equipment parts, electric motors, electric cabinets, resistor brakes, Crane Block parts
- D= Two steel clarifier tanks
- Steel Material sold as bulk and not as tonnage cost
- NA = Not Applicable

# TABLE 3 Summary Of Historical Scrap Metal Shipments 3rd Quarter 2011 Progress Report Estate Of Chemetco Hartford, Illinois

	1			·								Misc, tank
						Tons of		Misc.			Misc.	and
						Aluminum	Tons of	Copper	Motors	Pot Slag	Motors and	clarifier
				Tons of Iron		Metal Sold	Stainless	Sold to	Sold to	Ladles	Crane Parts	sold to
				and Steel	Tons of	to Wallach	Steel Sold to	Wallach	Interco	sold to	Sold to	Tank
				Sold to	Lead Metal	Trading	Hi-Light	Trading	Trading	Harsco	Casey	Trailer
	Number of		Bill of Lading	Grossman	Sold to Doe	Company	International	Company	Company	Metals	Equipment	Cleaning
	Number of Shipments	Date of Shipment	Number	Steel (1)	Run (1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)
ļ	Shiphiens				Tun (1)	(1)	(2)			NA	NA NA	NA
	1	September 13, 2010	49502	16.05	<b>}</b>					NA	NA	NA NA
	2	September 13, 2010	49503	17.04						NA NA	NA NA	NA
	3	September 13, 2010	49504	9.28						NA	NA NA	NA NA
	4	September 13, 2010	49505	16.43						NA NA	NA NA	NA NA
1	5	September 13, 2010	49506 49507	7.17 17.01						NA	NA	NA
	6 7	September 13, 2010 September 14, 2010	49508	12.05						NA NA	NA	NA
	8	September 14, 2010	49509	16.35						NA	NA	NA
1	9	September 14, 2010	49510	11.15	<b></b>					NA	NA	NA
	10	September 14, 2010	49510	13.29	<del></del>	-				NA	NA	NA
3rd	11	September 14, 2010	49512	16.53	<u> </u>					NA	NA	NA
Quarter	12	September 14, 2010	49513	13.83						NA	NA	NA
2010	13	September 14, 2010	49514	15.52	<b>†</b>					NA	NA	NA
2010	14	September 14, 2010	49515	16.61	<b> </b>					NA	NA	NA
	15	September 15, 2010	49516	13.86	<b> </b>					NA	NA	NA
	16	September 15, 2010	49517	14.88						NA	NA	NA
	17	September 20, 2010	49518		22.20					NA	NA	NA
	18	September 20, 2010	49519		21.89					NA	NA	NA
	19	September 22, 2010	49520	8.04						NA	NA	NA
	20	September 22, 2010	49521	7.21						NA	NA	NA
1	21	September 22, 2010	49522		21.56					NA	NA	NA
	22	September 22, 2010	49523	7.29						NA	NA	NA
	23	September 22, 2010	49524	7.54						NA	NA	NA
	24	September 22, 2010	49525	12.42						NA	NA	NA
1	25	September 23, 2010	49526	14.81						NA	NA	NA
	26	September 27, 2010	49527	9.4						NA	NA	NA
		<u> </u>	TOTAL TONS	293.8	65.7					NA	NA	NA
	27	October 5, 2010	49529	12.47						NA	NA	NA
	28	October 7, 2010	49530	11.86						NA	NA	NA
	29	October 11, 2010	49531	12.19						NA	NA	NA
	30	October 13, 2010	49532	7.97						NA	NA	NA
	31	October 14, 2010	49534	10.06						NA	NA	NA
	32	October 14, 2010	49535	13.96						NA	NA	NA
	33	October 15, 2010	49536	11.86						NA	NA	NA
	34	October 18, 2010	49537	11.72					********	NA	NA	NA
	35	October 19, 2010	49538	10.70						NA	NA	NA
ii .	36	October 19, 2010	49539	12.47						NA	NA	NA
	37	November 2, 2010	49554	8.96						NA	NA	NA
4th	38	November 2, 2010	49555	13.40						NA	NA	NA
Quarter	39	November 3, 2010	49556	9.09						NA	NA	NA
2010	40	November 8, 2010	49557	13.48						NA	NA	NA
	41	November 8, 2010	49558			18.52				NA	NA	NA
	42	November 8, 2010	49559	12.46						NA	NA	NA
	43	November 10, 2010	49560	13.92						NA	NA	NA
	44	November 10, 2010	49561	9.83						NA	NA	NA
	45	November 11, 2010	49562	10.28						NA	NA	NA
	46	November 15, 2010	49563	12.34						NA	NA	NA
	47	November 15, 2010	49564	12.39						NA	NA	NA
	48	November 17, 2010	49565	11.98						NA	NA	NA
	49	November 17, 2010	49566	10.79						NA	NA	NA
	50	December 1, 2010	49567	16.55						NA	NA	NA
	51	December 2, 2010	49568	15.55						NA	NA	NA
	52	December 9, 2010	49569	6.46						NA	NA NA	NA
	53	December 10, 2010	49570	8.22						NA	NA	NA
	54	December 14, 2010	FCIU 894056-8		L	<u> </u>	21.82			NA	NA	NA
<u> </u>	JL		TOTAL TONS	300.96	0	18.52	21.82			NA	NA	NA

# TABLE 3 Summary Of Historical Scrap Metal Shipments 3rd Quarter 2011 Progress Report Estate Of Chemetco

# Hartford, Illinois

	1		<del></del>		<del>,</del>	T	r	<del> </del>				Misc, tank
						T		Mina			Mico	
						Tons of	l - ,	Misc.		5 ( 6)	Misc.	and
]	1				1	Aluminum	Tons of	Copper	Motors	Pot Slag	Motors and	clarifier
				Tons of Iron		Metal Sold	Stainless	Sold to	Sold to	Ladles	Crane Parts	1
1				and Steel	Tons of	to Wallach	Steel Sold to	Wallach	Interco	sold to	Sold to	Tank
1				Sold to	Lead Metal	Trading	Hi-Light	Trading	Trading	Harsco	Casey	Trailer
1	Number of		Bill of Lading	Grossman	Sold to Doe	Company	International	Company	Company	Metals	Equipment	Cleaning
1	Shipments	Date of Shipment	Number	Steel (1)	Run (1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)
	55	January 6, 2011	49571	15.29		I	l	l l		NA	NA	NA
	56	January 7, 2011	CAFU 802051-4	10.20			21.96			NA	NA NA	NA
1st	57	January 10, 2011	CAIU 800920-1				21.72			NA	NA NA	NA NA
Quarter	58	January 12, 2011	DFSU 620017-0				21.53			NA	NA NA	NA
2011	59	January 13, 2011	49572	9.79	<del> </del>		21.00			NA	NA NA	NA
2011	60	January 17, 2011	CAIU 851224-2	3.73			21.12			NA NA	NA NA	NA.
	61	January 17, 2011	49573	9.09						NA	NA	NA
	62	January 19, 2011	49574	0.00				14.56		NA	NA	NA
	63	February 17, 2011	49575					14.00	8.74	NA	NA	NA
ŀ		rebidary 17, 2011	TOTAL TONS	34.17	0.00	0.00	86.33	14.56	8.74	NA NA	NA NA	NA
ļ		1 44 0044		34.17	0.00	0.00	00.33	14.50	0.74	I IVA	<u> </u>	
	64		NA							00.44 (D)		A
2nd	65	April 11, 2011	47175						<b></b>	23.44 (B)		
Quarter	66		47176							24.11 (B)		
2011	67	April 11, 2011	47177							20.09 (B)		
	68		49576		<b></b>						13.08 ( C)	
	69	May 11, 2011	49577								17.88 ( C)	
	70	June 15, 2011	NA NA		<u> </u>	<u></u>	<u> </u>	<u> </u>				D
			TOTAL TONS	0.00	0.00	0.00	0.00	0.00	0.00	67.74	30.96	
												Misc, tank
					l	Tons of			Misc.		Misc.	and
						Aluminum		Motors	Copper	Pot Slag	Motors and	clarifier
						Metal Sold	Stainless	Sold to	Sold to	Ladles	Crane Parts	
				Iron and		to Wallach	Steel Sold to	Interco	Wallach	sold to	Sold to	Tank
				Steel Sold to		Trading	Hi-Light	Trading	Trading	Harsco	Casey	Trailer
i	Number of		Bill of Lading	Grossman	Alton	Company	International	Company	Company	Metals	Equipment	Cleaning
<u> </u>	Shipments	Date of Shipment	Number	Steel (2)	Materials (2)	(2)	(2)	(2)	(2)	(3) B	(3) C	(3)
	71	August 1, 2011	49590	13.9								
	72	August 1, 2011	49591	10.04								
	73	August 5, 2011	49592	15.12								
	74	August 9, 2011	49593	11.64								
	75	August 12, 2011	HDMU 644809-9				19.20					
i	76	August 16, 2011	TCNU 740060-0				19.29					
4	77	August 19, 2011	49594	16.35								
ll .	78	August 19, 2011	49595	13.48								
	79	August 25, 2011	HDMU 633298-2				19.36					
	80	August 30, 2011	TNCU 860015-7				19.55					
	81	August 30, 2011	49596	14.23								
	82	August 30, 2011	49597	6.61								100
	83	September 9, 2011	49598	9.36								
	84	September 9, 2011	49599	7.08								
	85	September 9, 2011	49600	5.54								
	86	September 13, 2011		5.63		1177771						
	87	September 13, 2011		7.29				AND STAN SPECIAL SECTIONS	***************************************			
	88	September 15, 2011		13.92								
	89	September 15, 2011		13.58								
3rd	90	September 16, 2011		11.88								
Quarter	91	September 16, 2011		12.12								
2011	92	September 19, 2011		12.77								
	93	September 19, 2011	49609	10.36								
Į i	94	September 19, 2011	49610	13.75								
u 1	95	September 19, 2011	49611	11.56								
<b>I</b> 1			49612	11.54								
	96	September 19, 2011					7					
	96 97	September 20, 2011	49613	10.76				The second secon				
	96 97 98	September 20, 2011 September 20, 2011	49613 49614	10.76 11.73								
	96 97 98 99	September 20, 2011 September 20, 2011 September 20, 2011	49613 49614 49615									
	96 97 98 99 100	September 20, 2011 September 20, 2011 September 20, 2011 September 20, 2011	49613 49614 49615 49616	11.73								
	96 97 98 99	September 20, 2011 September 20, 2011 September 20, 2011	49613 49614 49615 49616	11.73 9.78			19.63		300			
	96 97 98 99 100 101 102	September 20, 2011 September 20, 2011 September 20, 2011 September 20, 2011	49613 49614 49615 49616	11.73 9.78 12.84			19.63					
	96 97 98 99 100	September 20, 2011 September 20, 2011 September 20, 2011 September 20, 2011 September 21, 2011	49613 49614 49615 49616 HDMU 740565-1	11.73 9.78 12.84 			19.63					
	96 97 98 99 100 101 102 103	September 20, 2011 September 20, 2011 September 20, 2011 September 20, 2011 September 21, 2011 September 23, 2011	49613 49614 49615 49616 HDMU 740565-1 49617	11.73 9.78 12.84  13.12			19.63		700			

#### TABLE 3

#### **Summary Of Historical Scrap Metal Shipments** 3rd Quarter 2011 Progress Report **Estate Of Chemetco** Hartford, Illinois

										***************************************		Misc, tank
						Tons of		Misc.			Misc.	and
				_		Aluminum	Tons of	Copper	Motors	Pot Slag	Motors and	clarifier
				Tons of Iron		Metal Sold	Stainless	Sold to	Sold to	Ladles	Crane Parts	
	1 1			and Steel	Tons of	to Wallach	Steel Sold to	Wallach	Interco	sold to	Sold to	Tank
				Sold to	Lead Metal	Trading	Hi-Light	Trading	Trading	Harsco	Casey	Trailer
	Number of		Bill of Lading	Grossman	Sold to Doe	Company	International	Company		Metals	Equipment	Cleaning
	Shipments	Date of Shipment	Number	Steel (1)	Run (1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)
	105	September 27, 2011	49622	11.45								
	106	September 27, 2011	49623	15.84								
	107	September 27, 2011	49625	9.68								
	108	September 27, 2011	49626	15.16								
	109	September 27, 2011	49627	10.14								
	110	September 27, 2011	49628	9.04								
	111	September 27, 2011	49629	13.80								
	112	September 27, 2011	49630	10.28						477		
	113	September 27, 2011	49620		19.03							
	114	September 27, 2011	49621		16.71							
	115	September 27, 2011	49624		17.71							
	116	September 28, 2011	49631	12.77								
	117	September 28, 2011	49632	12.63								
	118	September 28, 2011	49633	10.96								
	119	September 28, 2011	49634	8.07								
	120	September 28, 2011	49635	13.06								
1	121	September 29, 2011	49636	11.16								
	122	September 30, 2011	49637	13.47								
1 1	123	September 30, 2011	49638	15.78								
	124	September 30, 2011	49639	13.30								
	125	September 30, 2011	49640	11.74		W100999						
	126	September 30, 2011	49641	12.15								
			TOTAL TONS	554.41	53.46	0.00	97.03	0.00	0.00	0.00	0.00	0.00

- (1) Short Ton = 2000 lb
- (2) Gross Ton = 2240 lb
- (3) = Material sold under the Scrap Metal Work Plan

A= Aboveground Steel-Sand Storage Tank

B=Pot Slag Ladles (total of 3 ladles)
C= Crane equipment parts, electric motors, electric cabinets, resistor breakes, Crane Block parts

D= Two steel clarifier tanks

Steel Material sold as bulk and not as tonnage cost

NA = Not Applicable

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 29 of 31

## **APPENDIXC**

Hazardous and Non-hazardous Waste Disposals

# TABLE 4 Summary of Hazardous Waste Disposal Shipments 3rd Qtr 2011 Progress Report Estate Of Chemetco Hartford, Illinois

	Number of		Container		picked up				Disposal	
	Shipments	Description	Size	Bin #	date	Waste Hauler	lbs	tons	Facility	Manifest #
									EQ Michigan	
3rd		Misc debris, decon pad,				Tri State Motor			Disposal Waste	
Quarter		from Copper Furnace				on EMA's			Treatment	
2011	1	Solid Shipments	55 Gal Drum	NA	8/11/2011	behalf	380	0.190	Belleville, MI	004761793FLE

#### TABLE 5 Summary of Historical Hazarous Waste Disposal Shipments

#### 3rd Quarter 2011 Progress Report **Estate of Chemetco** Hartford, Illinois

	Number of		Container		picked up							
	Shipments	Description	Size	Bin#	date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #		
3rd												
Quarter	No Shipments were made during the 3rd Qtr 2010											
2010								000000000000000000000000000000000000000				

	Number of		Container		picked up					
	Shipments	Description	Size	Bin#	date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
		Miscellaneous								
		Construction/Demolition				Mid-West Services and	0. 500		Heritage Environmental,	S. Schrodolehered represent terreters
	1	Debris	40 Yard Bin	4029	11/10/2010	Heritage Environmental	16,707	8.35	Indianapolis, IN.	000362943WAS
		Miscellaneous						ń		
	_	Construction/Demolition		WATER CONTROL		Mid-West Services and		N. 100 100 120	Heritage Environmental,	
	2	Debris	40 Yard Bin	4097	11/17/2010	Heritage Environmental	38,727	19,36	Indianapolis, IN.	000362944WAS
#	1	Miscellaneous								
	_	Construction/Demolition				Mid-West Services and			Heritage Environmental,	
1 1	3	Debris	40 Yard Bin	40006	12/7/2010	Heritage Environmental	12,187	6.09	Indianapolis, IN.	000362945WAS
		Miscellaneous								
	,	Construction/Demolition				Mid-West Services and		1	Heritage Environmental,	
4th	4	Debris	40 Yard Bin	40130	12/7/2010	Heritage Environmental	20,067	10.03	Indianapolis, IN.	000362946WAS
		Miscellaneous								
	_	Construction/Demolition	40.17			Mid-West Services and	47.007		Heritage Environmental,	000000000000000000000000000000000000000
Quarter	5	Debris	40 Yard Bin	4025	12/9/2010	Heritage Environmental	17,987	8.99	Indianapolis, IN.	000362947WAS
		Miscellaneous				MIN MARKET				
2010	6	Construction/Demolition Debris	40 \	4000		Mid-West Services and	40 407	0.74	Heritage Environmental,	000362948WAS
2010	٥	Miscellaneous	40 Yard Bin	4090	12/9/2010	Heritage Environmental	13,487	6.74	Indianapolis, IN.	000362946VVAS
		Construction/Demolition				Mid-West Services and			Heritage Environmental,	
	7	Debris	40 Yard Bin	4039		Heritage Environmental	15.607	7.80	Indianapolis, IN.	000362949WAS
	′ 1	Miscellaneous	40 Talu biri	4039	12/13/2010	nentage Environmental	15,607	7.00	Indianapolis, IN.	00030234300A3
<b> </b>		Construction/Demolition		4		Mid-West Services and			Heritage Environmental,	
	8	Debris	40 Yard Bin	40104		Heritage Environmental	10,107	5.05	Indianapolis, IN.	000362950WAS
	ĭ	Miscellaneous	40 Taid Dill	40104	12/13/2010	Henrage Environmental	10,107	5.05	malanapolis, m.	00000200011710
		Construction/Demolition				Mid-West Services and			Heritage Environmental,	
	9	Debris	40 Yard Bin	40124		Heritage Environmental	26,667	13.33	Indianapolis, IN.	000362955WAS
	-	Miscellaneous	io raid biii	10.12.1	12/15/2010		20,007	10.00	Transcrimptones, tree	55555555555
		Construction/Demolition				Mid-West Services and			Heritage Environmental,	
	10	Debris	40 Yard Bin	40120	12/15/2010	Heritage Environmental	23,227	11.61	Indianapolis, IN.	000362958WAS
<u> </u>						TOTAL .	194,770	97.39		

## TABLE 5 Summary of Historical Hazarous Waste Disposal Shipments 3rd Quarter 2011 Progress Report Estate of Chemetco Hartford, Illinois

	Number of		Container		picked up					
	Shipments	Description	Size	Bin#	date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20381	1027/2010	Mid-West Services and Heritage Environmental	35,720	17.86	Heritage Environmental, Indianapolis, IN.	000362951WAS
4th	2	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20213		Mid-West Services and Heritage Environmental	37,940	18.97	Heritage Environmental, Indianapolis, IN.	000362952WAS
Quarter	3	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20559	1	Mid-West Services and Heritage Environmental	40,420	20.21	Heritage Environmental, Indianapolis, IN.	000362954WAS
2010	4	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20484	1	Mid-West Services and Heritage Environmental	35,980	17.99	Heritage Environmental, Indianapolis, IN.	000362953WAS
	5	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20458	12/15/2010	Mid-West Services and Heritage Environmental	34,880	17.44	Heritage Environmental, Indianapolis, IN.	000362956WAS
	6	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20384	i .	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000362957WAS
						TOTAL	212.920	106.46		

TOTAL 212,920 106.46

	Number of Shipments	Description	Container Size	Bin#	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest#
		Decon Water, sludge							EQ Michigan Disposal	
		from Cupro Decon				Tri State Motor on			Waste Treatment	
	1	activities	55 Gal Drum	NA	10/27/2010	EMA's behalf	220		Bellville, Mi	003957277FLE
		Misc debris, decon pad,		No Company of the Com	9	Tri State Motor on			EQ Michigan Disposal Waste Treatment	
4th	2	from Cupro Shipments	55 Gal Drum	NA	10/27/2010	EMA's behalf	75	0.038	Bellville, Mi	003957276FLE
		Decon Water, sludge from Pot Slag Decon				Tri State Motor on			EQ Michigan Disposal Waste Treatment	
Quarter	3	activities	55 Gal Drum	NA	12/15/2010	EMA's behalf	220		Bellville, Mi	003957332FLE
									EQ Michigan Disposal	
		Misc debris, decon pad,	1			Tri State Motor on			Waste Treatment	
2010	4	from Pot Slag Shipments	55 Gal Drum	NA	12/15/2010	EMA's behalf	80	0.040	Bellville, Mi	003957331FLE
						Total Liquid	440	0.220		

 Total Liquid
 440
 0.220

 Total Solids
 155
 0.078

## TABLE 5 Summary of Historical Hazarous Waste Disposal Shipments 3rd Quarter 2011 Progress Report Estate of Chemetco Hartford, Illinois

	Number of Shipments	Description	No. Containers	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
		Misc corrosive acids, flammable liquids, petroleum distillates	17	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	2,605	1.3025	Heritage Environmental, Liverpool, OH	000350627WAS
1Qtr 2011		Misc corrosive acids, flammable liquids, petroleum distillates	15	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	3,826	1.913	Heritage Environmental, Indianapolis, IN.	000350631WAS
	3	Blasting Sand used for deconning stainless steel	3	Super Sacks	NA	3/16/2011	Tri State Motor on EMA's behalf	4,500	2.250	EQ Michigan Disposal Waste Treatment Belleville, MI	0044214831FLE
							Total Tons Total Pounds	10,931	5.4655		

	Number of		Container		picked up						
	Shipments	Description	Size	Bin#	date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #	
2nd							A STATE OF THE PARTY OF THE PAR				
Quarter	No Shipments were made during the 2nd Qtr 2011										
2011											

	Number of		Container		picked up					
	Shipments	Description	Size	Bin #	date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd	Į	Misc debris, decon pad,							EQ Michigan Disposal	
Quarter		from Copper Furnace	1			Tri State Motor on			Waste Treatment	
2011	1	Solid Shipments	55 Gal Drum	NA	8/11/2011	EMA's behalf	380	0.190	Belleville, MI	004761793FLE

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 30 of 31

## **APPENDIX**D NPDES eDMR forms and Analytical Results

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ning	<b>▼</b> -s. E		<del></del>	-1
vg	St	<u>ds</u>		
.92	23_	1%		
3.33	106=	7%		
.89	87_	7%		
7.58	117	.2%		
288	11_	5%		
843	4.=	<b>2</b> %		
112	7.	<del>===</del> 5%		
100		<b></b> il	100,000	
756	15_	1%		
769	13_	8%	-	
896	44_	8%		
976	9.	<b>3</b> %		
372	3.	<b>-</b> %		
500		il i		
100				
2443	24.	4%		
.75	38.	3%		
.12	r	— il		
4536	n			
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3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 30 of 31

## **APPENDIX**D

NPDES eDMR forms and Analytical Results

## TABLE 7 Summary of NPDES Stormwater Data 3rd Quarter Progress Report Estate of Chemetco

NPDES IL0025474, OUTFALL: #005 DATA TRACKING-30 Day Average UPDATED 10-30-2011

Hartford, Illinois

(EXCEEDANCES OF STDS SHOWN IN SHADED CELLS AND BOLD FONT)

					NP	DES #005	OUTFALL D	DISCHARGE	SAMPLE.	ANALYSIS				
						to a transport of the second and the			America Colonial State Colonial Stat			35IAC304		
												Effluent		
												Water	12 Month	12 Mo Avg
								İ			2011 YTD	Quality Stds	Running	vs. Effluent
Parameter	Units	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Average	(mg/l)	Avg	Stds
BOD, 5-Day	mg/L	<5	6	12	<5	5	<5	13	8	9	7.56	30	6.92	23.1%
Oxygen Demand, Chemical	mg/L	<50	<50	57	<50	<50	<50	61	67	55	54.44	50	53.33	106.7%
pH		2.61	9.04	9.49	8.63	9.24	8.79	9.59	9.26	9.37	8.45	9.0	7.89	87.7%
Solids, Total Suspended	mg/L	<6	24.00	28.00	17.00	16.00	<6	12.00	24.00	32.00	18.33	15	17.58	117.2%
Arsenic, Total	mg/L	<0.0250	<0.0250	0.0274	0.0378	0.0374	0.0286	0.0352	0.0287	<0.0250	0.0300	0.25	0.0288	11.5%
Barium, Total	mg/L	0.0702	0.0808	0.0743	0.0777	0.0787	0.0664	0.0683	0.0618	0.1620	0.0822	2.00	0.0843	4.2%
Cadmium, Total	mg/L	0.0027	0.0073	0.0157	0.0411	0.0279	0.0127	<0.0020	<0.0020	0.0036	0.0128	0.15	0.0112	7.5%
Chromium, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	1.00	0.0100	nil
Copper, Total	mg/L	0.0207	0.0640	0.0841	0.2340	0.1480	0.0560	0.0703	0.0263	0.0474	0.0834	0.50	0.0756	15.1%
Iron, Total	mg/L	0.0578	0.3510	0.4790	0.7040	0.3460	0.1780	0.1820	0.0755	0.1690	0.2825	2.00	0.2769	13.8%
Lead, Total	mg/L	<0.0400	0.0969	0.1680	0.2200	0.1670	0.0536	0.0727	<0.0400	0.0412	0.0999	0.20	0.0896	44.8%
Manganese, Total	mg/L	0.0516	0.1660	0.1410	0.0985	0.0925	0.0808	0.0515	0.1460	0.1270	0.1061	1.00	0.0976	9.8%
Nickel, Total	mg/L	0.0187	0.0411	0.0644	0.0868	0.0411	0.0384	0.0176	0.0146	0.0193	0.0380	1.00	0.0372	3.7%
Selenium, Total	mg/L	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0500	None	0.0500	nil
Silver, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	0.10	0.0100	nil
Zinc, Total	mg/L	0.0839	0.2300	0.3640	0.6720	0.4500	0.1560	0.0646	0.0357	0.1160	0.2414	1.00	0.2443	24.4%
Oil and Grease	mg/L	<5	<6	<5	<6	<5	<6	<6	<6	<6	5.67	15	5.75	38.3%
Nitrogen, Ammonia, Total	mg/L	0.140	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	None	0.12	nil
Avg Flow (MGD)	MGD												0.004536	nil
Avg flow (GPM)	GPM	1.00	12.00	1.10	13.50	1.40	2.50	0.20	0.00	0.00	3.52		2.03	nil
												Note: pH 6-9		

Note:

MGD = million gallons per day

GPM = Gallons per minute

Highlighted colored cells reflect 2011 results

PERMITTEE NAME / ADDRESS			NATI	E ELIMINATION SYSTEM	(NPDES)			
NAME				DISCHARGE MC	ONITOR	RING REPORT(DMR)		
ESTATE OF CHEMETCO-HARTFORD				IL0025747		005 0	Minor	
ADDRESS				PERMIT NUMBER		DISCHARGE NUMBER	06	
3574 CHEMETCO LANE								
HARTFORD	IL.	62048		MONITO	DRING	PERIOD		
FACILITY				MO - DAY - YEAR		MO - DAY - YEAR		
CHEMETCO-HARTFORD, ESTATE OF	:		FROM	09 - 01 - 2011	то	09 - 30 - 2011		
LOCATION			Discharge Descripti	on	3	Discharge Type	*** No Discharge	***

**EXO** 

STORMWATER LAGOON

3574 CHEMETCO LANE

HARTFORD	UK7 11 11	- IL	62048										
PAR	AME	TER		QUAN	TITY OR LOAD	ING	QUA	NTITY OR COI	NCENTRATION	fac project plant despite (Microsoft Aus	NO. EX	Frequency of Analysis	SAMPLI TYPE
	olari value de l'accione	AND THE PROPERTY OF THE PROPER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MUMIXAM	UNIT	and the same of th		
BOD, 5-day, 20	) deg	g. C 00310 1 0	SAMPLE MEASUREMENT	****	*****	agginne sit securior conferring that the mean conf	农农农农农	= 9	<b>= 9</b>	NATIONAL PROPERTY AND	0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	***	大灾灾灾大大	****	*****	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	PER SHOOT STATE	DESCRIPTION:	The second secon	e diserval gi. 1486 (Stocker vega) "Gere combinish ing (Africa Rev Intelligen	The state of the s	kuma perumaka perumaka perumaka	Programme and the standard security of the sta	ба бакан жана на же «Турь за се се се се с	BURGLER BLOCK TO LEAD FROM TO YOU TO COMPANY IN LINE WAS AND	Percentage of the second second second	dia a province servin	leda koncentra katterinan kasteri, papula juru kiri, papula juru kiri.	Large Sections and Committee Security (Co.
COMMENTS:	CATALOGIA (LA CATALOGIA)	and the second control of the second control	Academic and the second process and the secon		AND THE PROPERTY OF THE PERSON	and the second second second second	PRESCULATION OF THE PROPERTY O		ALONG THE POST OF	68,000 page 1900 page 1968 pag		, to the first the contract of	METALWISH OF STREET
Oxygen deman			SAMPLE MEASUREMENT	<b>安安安安安</b>	****		*****	= 55	~ 55		1	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	in the she she she	*****	****	**************************************	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
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COMMENTS:		COLUMN COLUMN CONTRACTOR COLUMN COLUM	Bankania ang kalang pingga Peneratan Pangga Peneratan Pangga Peneratan Peneratan Peneratan Peneratan Peneratan			<u>accepted and the state of the </u>	THE CONTRACTOR OF THE PROPERTY	THE CONTROL CHARLES AND A SAME THAT THE PARTY OF THE PART	orachensomatica, ACLAP (et. 3 contint e 195 is contint contint e 195 is contint e 195 is contint e 195 is contint e	ALCONOMICS CONTROL TO AND ADDRESS OF THE PARTY OF	AND REAL PROPERTY.	MAN CANANTA MINISTRA AND AND AND AND AND AND AND AND AND AN	MHOLETIC MONOCENHARITY S.
pH 00400 1 0		est Amerikaan saara saara ka ka ka ka maada ka saara ka s	SAMPLE MEASUREMENT	****	****		= 9.37	オャナナナ	= 9.37		1	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	****	****	***	>= 6 MO MIN	****	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	A PARTITION AND ADDRESS OF THE PARTITION ADDRESS OF THE PARTITION AND ADDRESS OF THE PARTITION AND ADDRESS OF THE PARTITION AND ADDR	DESCRIPTION:	and the second s	kali ili palatina di Silati ili palatini di Silati di Silati di Silati di Silati di Silati di Silati di Silati Silati	da maran maran kan kan maran kan maran kan maran kan kan maran kan kan kan kan kan kan kan kan kan k	Official Conflicted in transferences, other Tests of the	Вінфамись пороме почетом і почетом з'яріскее точного тех	SCH MAN PROPERCY SCHOOL BURGERS STANKEN STANKEN STANKEN STANKEN STANKEN STANKEN STANKEN STANKEN STANKEN STANKE	AND AND THE PERSON AND AND THE PERSON AND THE PERSO	COMMUNICATION AND PROPERTY AND	WENNESD Y JUNE WE HE HE	Charrier in a modernama ki av quest processament bestio	Extra action was a sound
COMMENTS:		робо бил бырон от техно чаро, <del>н</del> ачит рыстного домо трома прозмать от домого домого домого домого домого домого д	Emplement of the second	MACAINE METALLIAN I MANAGERIAN EMPLOYER POR SE MERCECO	ALTONOMIA CONTRACTOR DE LA CONTRACTOR DE L			Control to the Control of the Contro	enter progressive and selection and the environment in the constitution of the selection and the selec	THE RESIDENCE OF THE PERSON OF		Control of the Association and	Messengia concessor conses
Solids, total sus	spen	ded 00530 1 0	SAMPLE MEASUREMENT	****	****		****	= 32	= 32		1	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	*****	*****	****	**************************************	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
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Page 2 of 5

The state of the s	and the second	The same of the sa		description and description where the	and the same of th	MARK CONTROL TO A				NAME AND ADDRESS OF A SECOND	EVENEZA DOM MODERN	age a or o	approximation of the contract
COMMENTS:	De la company												
Arsenic, total (	as A	s) 01002 1 0	SAMPLE MEASUREMENT	大方方大穴六	*****	о неводини да систима до брого за плант подова замиша	****	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	宋青安宋	**************************************	****	*******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	-	DESCRIPTION:	ACTION AND THE REAL PROPERTY OF THE PROPERTY O	Астительной под настройний в нас	Вичин социального выполнений придости в при в пр	Виноровического починення почествення почествення почествення почествення почествення почествення почествення п	Воленно в совет в предоставления и почения в	ed and recognise and resident to the recognise and the recognise a	а работно в в 1974 то на проводения за заходу породина и напочение Ин	kumanan merenaman merinan merinan	netsonick warmen?	augustusen en statut die er der er de er de er de er de er de er de e	Transferon extra province purinter services
COMMENTS:		delle estatorio este estatorio instituti a proprieta (1949 e 1960 e 1	Sentence en trace a constituent de la constituencia de la constituencia de la constituencia de la constituencia	nde sina kemanan ambanan di dalah ke awas iyi sinasan	MACCOTAL PUBLISHER EN METALO ESTAPA PARA PARA PARA PARA PARA PARA PARA	**************************************	a ng dipantones ik menghasik termin di magalannan sa baga asaa ay	en ( an annual registra è la transport de l'estre de l'estre de l'estre de l'estre de l'estre de l'estre de l'e	errekterrekte fransk sje somfant i 1945 fastak i 186	gen benoemt en strok strok strok skal	1946 bayan Subanasani	er soderne en er et de de en	Paradoltanes propo e mentelegelogico
Barium, total (a	as Ba	a) 01007 1 0	SAMPLE MEASUREMENT	Ve to to to to to	*************************************		安安方法·	= 0.162	= 0.162		0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	女女女女女	A St. St. St. St.	安宁安公安	****	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:	WALLES AND PROPERTY OF STREET	Proceedings and security of the control of the cont	Финализмический метор (2010 очтобым чествен симуло	6Managasanan sarahan meng	Bus manus statement for the telephone and outside series suggested	and the second s	grant on white a properties of the state of		e en cultural de la company		The contract of the contract o
COMMENTS:		LANGER COMMON AND STATE AN	Agramment Caracter (Section 1995) and County Section (Section 1995) and County Section (Section 1995)	ata miningandan dia ata-kamban kamininga araba salah saja saka saja saka saja sa	generationer aus emperation in reserve their alles and the contract of preserve accessive	Philipage and Order Considerable Anomaly Co.	owers to the first the second second second second the second second second second second second second second	umakan paga 19-kalalah di dagan pada 1904 di di Sulf Profit (mili	produktivan <b>2</b> 4 etilopin <sup>3</sup> 4 yrana by yazota kalana araa etilopin araa		ON GROOM STREET	- Harris Andrewski (Sillingerskingersen der der er eine Andrewskingersen (der 1946) der Greise	Personal Control of the Control of th
Cadmium, tota	l (as	Cd) 01027 1 0	SAMPLE MEASUREMENT	· 安安安全青	*** ****	Мира провода неменения в полительного немог	*************************************	= 0.0036	= 0.0036		0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	****	****	****	****	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
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COMMENTS:		Makadak malajar, Andro Sann Bakka Sannaya, a Agam menanda mengelah sebagai sebagai sebagai sebagai sebagai seb	er Manual (1907) (Mining California) (Landra) (Landra) (Landra) (Landra) (Landra) (Landra) (Landra) (Landra) (Landra)	A CONTRACTOR CONTRACTOR AND ANY AGENCY CONTRACTOR CONTR	.gpg(;),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A A MINISTER BUILDING CONTROL OF MANISTER OF PARAMETERS	gazzi katalogii zi ciri ni referi ki zi	ECHTCOMCE NIPPRINCENDARY (PAN AND AND AND AND AND AND AND AND AND A	e parez a marina a marina de la proposición del la proposición de la proposición del la proposición de la proposición de la proposición de la proposición del la proposición de la proposición d	Anna con to a construction of the second	NAS ELISABETE (SE VISI	A CONTRACTOR OF THE STATE OF TH	PER SECURITION OF THE SECURITI
Chromium, tota	al (as	Cr) 01034 1 0	SAMPLE MEASUREMENT	****	法大大大大		为专术方法方	< 0.0100	< 0.0100		0	01/30	GR
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COMMENTS:		up a grand parti who assess where the side of the care and the care an	and a manufacturer at the state of the state	and the second of the second o			286 meloni listo men i iki listo omer deliko listo omer listo listo deliko listo deli	OCCUPATION OF THE PROPERTY OF	and an analysis at the second feet for \$1,450 to \$1,000 to \$1,000 to \$1,000 to \$1,000 to \$1,000 to \$1,000 to \$1	para di colori a colori a colori	To Garage		
Copper, total (a	as Ci	u) 01042 1 0	SAMPLE MEASUREMENT	为大大大大	<b>安安安大大</b> 安		· 本书书本书	= 0.0474	= 0.0474		0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	*****	*****	****	****	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	ation Section 2019	DESCRIPTION:	от в при	E-part and the control and the	alterna kulukunin kalikaturen esti ili suura galukun muun ka	A A NO MENTAL DE COLOR DESCRIPTION DE LA COLOR DE CONTRACTOR DE COLOR DE CONTRACTOR DE COLOR DE CONTRACTOR DE CO	elikar mentruk konstruktiski de empeksionen konstruktionen ja	en Servagen i introduction de la constitución de la constitución de la constitución de la constitución de la c	ng neu-Co-Aireannach berkhann (Princismen (Princismen Princismen)	ellinger om Landacemente mare ett kollik	SOFTHERD PLANE WILLIAM IS	Policia (Alexandria) (Alexandria) (Alexandria) (Alexandria) (Alexandria) (Alexandria) (Alexandria) (Alexandria	Regularity and Activities and
COMMENTS:		TO SERVICE TO A STATE OF THE SERVICE AND A SERVICE TO A SERVICE AND A SE	TO THE PARTY OF TH	THE PROPERTY OF THE PROPERTY O	THE CONTRACTOR OF THE PROPERTY	COMPANY OF THE STATE OF THE STA	AND THE PROPERTY OF THE PROPER	, nado a anticipa de la compacta de California en esta de California en el Carro de California en el California en el California en el Carro de Carro de California en el Carro de Ca	Men wenty we have him him bours space of substant high value to common the	2004 - SPIOLATON - 2000 CANA PROJECT	SECTION CONTRACTOR	new a province of the second s	**************************************
Iron, total (as F	e) 0	1045 1 0	SAMPLE MEASUREMENT	大安次安大安	水水水水水 水水水水水	The state of the s	安宗公六六六	= 0.169	= 0.169		0	01/30	GR
Effluent Gross			PERMIT REQUIREMENT	<b>京東京東京</b>	****	****	*************************************	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:	A THE STATE OF THE	<b>THE ACCUMENT LIBROTH AREA OF LIBROTH AREA OF LIBROTH AREA</b>			- Allowania (Arcellano) (China anto) (China) (Arcellano)	ме Воже за прика и съждане «Може » на устанат	Section of the sectio		2312-912-0114-1224-005		
COMMENTS:		**************************************	от от постоя на пост На постоя на по	n Anna Barran (Maring) (Maring	AND COMPANY OF THE CO	CONTROL OF THE PARTY OF THE PAR	and the first of t	AGAM ZABA CIRING A ARMANIAN MANARAM MANARAM SANISAN SANISAN SANISAN MANARAM MANARAM MANARAM MANARAM MANARAM MA	на на придости по во пред на п На пред на пре		1200223 N VIII 30033 N S.		The second special second seco
STATE OF THE STATE	Danier Contract	PPP (SIGNAL) NECESSARY (SIGNAL) (SIGNAL	CCCCCC, USUNERNO, ALMANDAMENTONIC WITH MINISTERNA ACCORDING A MARKET WITH A COCCATA A COCATA A COCCATA A C	cynnany, gynagarana, gagaethian a hagaethian a	generate agentisms agency compound and any and any agency	Spirit Spirit series his Spirit serve Shill serve	OTT ASSESSMENT AND	coracteristics and medical contractions and the contraction of the con		British State Commission Commissi	and being being the second of	HOME PLACE AND CHARGE READ AND ANY TO MUST AND AND A TRACK TO ANY	NAMES ASSESSMENT OF THE PROPERTY OF THE PROPER

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											-3	
Lead, total (as Pl	o) 01051 1 0	SAMPLE MEASUREMENT	*******	***		***	= 0.0412	= 0.0412		0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	st enterioreitaeren eroteit er connecuentaeren 大大大大大	nessententententententententententententente	*****	**************************************	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
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COMMENTS:	antarioren de la companya del companya de la companya del companya de la companya	Analysis and other lands are a proposed to the control of the cont		AND THE PROPERTY OF THE PROPER	PARTIL DISTRIBUTION OF THE STREET	Debistration entraktarining reservat buccus;	XVSb yCus 22/20/20/20/20/20/20/20/20/20/20/20/20/2	nd nedministration (Indiana) and Article gradual actions and Article gradual and Article gradual actions (Indiana) actions (	HEROCOCTOR OF STREET	all and the second seco	ZALIAN STANISTANISTANIA STANISTANISTANISTANISTANISTANISTANISTANI	th.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co.htm.co
Manganese, tota 1 0	l (as Mn) 01055	SAMPLE MEASUREMENT	*************************************	****		****	= 0.127	= 0.127	g po especializado e consta termo en esta	0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	索力大大大大	****	****	***	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:		ormany for continue to the debut having coll, we cause on your cases	Вихорического при в на поделение на предоставления в на при от при о	en e	Andrews and the company of the analysis of the control of the cont	pelleuren gestratuer gegen der Beitert voorbest ver	Deenvoortenische gegennen gework voor und verbeiten verbeiten voor verbeiten verbeiten verbeiten verbeiten verb	<u>Agin en en cita Suema arango any anilae</u>	entra esta esta esta esta esta esta esta est	anne ann an t-aireann an t-airean	Topa Kasang arawa garrina sanjaga pen
COMMENTS:	MATERIA (M. P. C.	THE PROPERTY OF THE PROPERTY O	and the state of the state of the second	addika dalah d	STANDALLON II DEL INCIGENE CINCECCENTE ENCORNI	and income contract more many and contract in contract of a contract of a graph of the	ade auto unico figura e Calafre, transcer un que est libritat de 17 actor par en me	ter eletik sitikanen 1970, year, contat, sevista etikasean sitaki Ales Itali	y nga pamayan ng casa yang karang kang kang kang kang kang kang kang k	odytki Popozna pod Aleisen	us accessivações en cultura para de la confessión de exception de entre de entre en confession de entre entre e	РУКСАТИСТИВО НЕНИ МЕЗНЫ МОЗУЧИЗНОЦЕТОС
Nickel, total (as N	Ni) 01067 1 0	SAMPLE MEASUREMENT	energy, no seed and no seed	this is in the the		****	= 0.0193	= 0.0193	gy gyhan gan y golden ar y h e i n dae g	0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	<b>安伊</b> 安安米宋	*************************************	<b>为为火火火</b> 火	水水水水水	30DA AVG	DAILY MX	(19) mg/L	CTCCTTS CONTROL OF STREET	01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:	Control of the Contro		Высана для нешеворогі пового « 20 но м м муную свою «іннеросо»	e Thirthing a mark and season and a season and	g Marie and Indiana symptom and deposit the experience of the symptom of the forest and	and grammaries contract to the development and a property of the second second	ak-yhvishinen (Viran Loniczy) musimunaan ariamisha ka		ON THE PROPERTY OF THE PARTY OF	Begenstern Hallette Lock-Lugery (1996) i Tallette State et Hallette State et Hallette State et Hallette State e	
COMMENTS:	COCKNOTOCIC COMPANIE CITETATOPANA est el manche (de experimente companie de la companie de la companie de la c	eller er fallstätter er fallspesieherse einste eine schaus voorste ergelijkelse en en falls (de kaale).	TAN COMMISSION OF THE PARTY OF	DALLENDER ALARITY DEPTH POPTER SON (AND APPENDED AND APPENDED	1997 Angelet Line and	ATTERNET ENGLISHES THE STATE OF	THE RESERVE OF THE PROPERTY OF	AND THE PROPERTY OF THE PROPER	gergen and market sector committee (and control	The second secon	CONTRACTOR DESCRIPTION OF THE CONTRACTOR AND	THE SECTION AND ASSESSMENT OF THE SECTION OF THE SE
Silver, total (as A	g) 01077 1 0	SAMPLE MEASUREMENT	安安大大安安	安安安安安安 安安安安安安		de de de de de	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	京京が京東京	**************************************	**************************************	ste ste ste ste ste	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
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#### CONSIDERATION FOR FORM COMPLETION

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FORM COMMENTS

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#### PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLET. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statuse may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By

Date

00012226 + CN=Jorge Y Garcia

10 - 11 - 2011

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Page 3 of 5

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Lead, total (as	Pb) (	)1051 1 0	SAMPLE MEASUREMENT	******	*****		****	< 0.0400	< 0.0400	Salver and a salver a salver and a salver a salver and a salver a salver and a salv	0	01/30	GR
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Manganese, to	tal (a	s Mn) 01055	SAMPLE MEASUREMENT	******	*******		**************************************	= 0.146	= 0.146		0	01/30	GR
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Silver, total (as	Ag)	01077 1 0	SAMPLE MEASUREMENT	****	****		****	< 0.0100	< 0.0100		0	01/30	GR
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Effluent Gross			PERMIT REQUIREMENT	*****	<b>大</b> 公大大大	***	****	30DA AVG	DAILY MX	(19) mg/L	Maria Antonio de Carlos	01/30 - Once Per Month	GR - GRAB
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Oil and grease	0358	210	SAMPLE MEASUREMENT	****	***		****	< 6	< 6		C	01/30	GR

Page 4 of 5

NO DATA CODE DESCRIPTION:  COMMENTS:	GR - GRAB GR
COMMENTS:         Nitrogen, ammonia, total (as NH3)         SAMPLE         ******         ******         < .10         < .10         0 01/30	GR
Nitrogen, ammonia, total (as NH3)   SAMPLE   ******   ******   ******   < .10   < .10   0   01/30	GR
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Effluent Gross  PERMIT ****** ****** ****** 30DA DAILY MX (19) mg/L Per Month	GR - GRAB
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COMMENTS:	AND A STREET, SANSANIA, SA
Flow, in conduit or thru treatment   SAMPLE   =   = 0.000001   *****   *****   *****   0   99/99	ACTIVITY OF THE PROPERTY OF TH
Effluent Gross PERMIT REQUIREMENT 30DA AVG DAILY MX (03) ***** ***** ***** 99/99 - Continuous	en.
NO DATA CODE DESCRIPTION:	MATERIAL CONTROL PROPERTY AND CONTROL
COMMENTS:	and her popular in frontess as pure finds

#### CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

#### FORM COMMENTS

No flow occured, No Discharge

Parameter Code	Monitoring Location Code	Measurement Field	Status	Type
00400	The contract of the contract o	Concentration Maximum	Acknowledged	Soft
Validation Check Description	Reported concentration maximum violat	es permit limit	Merican (ENTERNACION POR CINATE) (III. ALCOLO I ACCIONA I ACCIONA ACCIONA I ACCIONA	жин и точно-накага бөл болооб (Аментиний) на одна на н
Parameter Description	pH	<del>организация в борон в нас</del> ти и онасот настору дочення <u>в 1990 МЕС опочнува сфесунка, насторона с</u> росу у 72 в 2015 вочены в настоя настоя в 1990	м (со типоварния) и судав (пред двер, на 24 в. на каки по и тем бы сама с судавет у общения в дення не почения в поч	www.co.com recommendent and contract commendent and a start commendent contract and
Monitoring Location Description	Effluent Gross	ANNE SERVICE NEW PROPERTY OF THE PROPERTY OF T		man manus until et has just accommon manus american prompt in historican versionis some from the profession which are sent until and an entitle of the sent
Validation Check Comment	CONTRACTOR	nitro democrativo successos a 2000 de de 1986 de 1986 de 1986 de 1987 de 1987 de 1986 de 19	COST A COST AND	anacuma, 1908. (An Aphrelanii Franc Crost Senten Killebrickii Pringlassido) alamenia yrg. (An Antonaeum) d 1 enfender Anno Stattsonia (An Anno
	AND THE PROPERTY OF THE PROPER			

#### PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By

Date

00012226 + CN=Jorge Y Garcia

09 - 23 - 2011

PERMITTEE NAM	ME / AI	DDRESS			NATIO	NAL POLLU	TANT DISCHA	RGE ELIMINAT	TON SYSTEM (N	IPDES)			
NAME						DISC	HARGE MON	ITORING REPO	RT(DMR)				
ESTATE OF CHE	METC	O-HARTFORD				IL002	5747	0	05 0	Min	or		
ADDRESS					ſ	PERMIT N	IUMBER	DISCHAR	GE NUMBER	06			
3574 CHEMETCO	) LANE	-					MA consecutor of the contract						
HARTFORD		IL	62048			DESCRIPTION OF THE PROPERTY OF	MONITORI	ING PERIOD	SAN SAN CONTRACTOR OF CHILD PROPERTY CO.				
FACILITY					1	MO - DAY	- YEAR	MO - DA	AY - YEAR				
CHEMETCO-HAF	RTFOR	D, ESTATE OF			FROM	07 - 01	Попонскомпониционного	DESCRIPTION OF THE PROPERTY OF	1 - 2011			1040	
LOCATION				Discha	ــ Irge Description	n	CONTRACTOR DE LA CONTRA	Discharge	Туре	**	* No Dis	charne	***
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HARTFORD	) TAME	- IL	62048	STORM	VIVATER LAGO	ON		LAU					
		I lay	02010										
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				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MUNIXAM	UNIT			
BOD, 5-day, 2	0 dec	J. C 00310 1 0	SAMPLE MEASUREMENT	大大大大大大	中产业大大会		*************************************	= 13	= 13		0	01/30	GR
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Emuent Gloss			REQUIREMENT				- TATO CONT.	30DA AVG	DAILY MX	(19) mg/L		Per Month	GRAB
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CONTRACTOR	L		PARTIE	*****	Salah da da da da da	parameter and a second	*****		C. d.	The state of the s	1 0	04/00	100
Oxygen demar level) (COD) 0			SAMPLE MEASUREMENT	*****	****	Special Control Control	*****	= 61	= 61		0	01/30	GR
Effluent Gross			PERMIT	****	*****	****	***	30DA	DAILY MX	(19)	March Colors of the	01/30 - Once	GR -
			REQUIREMENT		and the second s	summing the state of the state	ACCH ENAMERS	AVG	DAGETWA	mg/L		Per Month	GRAB
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pH 00400 1 0	Barrane and American	and the control of th	SAMPLE	****	****		= 9.59	****	= 9.59	AND THE PROPERTY AND ADDRESS OF THE PROPERTY O	1	01/30	GR

MEASUREMENT

PERMIT

REQUIREMENT

SAMPLE

MEASUREMENT

PERMIT

REQUIREMENT

DESCRIPTION:

DESCRIPTION:

Solids, total suspended 00530 1 0

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>= 6 MO

MIN

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= 12

30DA

**AVG** 

<= 9 MO

MAX

= 12

DAILY MX

(12)

SU

(19)

mg/L

01/30 - Once GR -

01/30 - Once GR -

GRAB

GR

GRAB

Per Month

Per Month

0 01/30

Effluent Gross

NO DATA CODE

Effluent Gross

NO DATA CODE

COMMENTS:

COMMENTS:	***************************************	kida ana ana ana ana ana ana ana ana ana a	ntarihintele sili sengah kirilem un erstenen menus, mang stepulan unsunah talaman d	ingel engles en	COST TEXTS TO THE PARTY OF THE PARTY PROPERTY OF THE PARTY PROPERTY PROPERT	м майнения жет экспектельный серьствующих эмен	arsan ar menter til mer til ett fylle mikke hånne trestande et ble her h	en e	AND THE STATE OF T	OR TO PROCESS ASSESSMENT ASSESSME	MARKET CONTROL CONTROL CONTROL	ances services as a second of the distribution of prescribed services and the distribution of the services and the services are the services and the services are the services and the services and the services are the services a	Black Const. (1994) Propins Superior States (1994) Propins States
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Cadmium, tota	l (as	Cd) 01027 1 0	SAMPLE MEASUREMENT	治治治代治	分大安安女女	A Program in the Control of the Cont	******	< 0.0020	< 0.0020		0	01/30	GR
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#### CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

Parameter Code	Monitoring Location Code	Measurement Field	Status	Туре						
00400	Consider an amendia (An SCO Consider And Consider Annual Angular and an annual and an annual and an annual angular ang	Acknowledged	Soft							
Validation Check Description	Reported concentration maximum violat	eported concentration maximum violates permit limit								
Parameter Description	pH	рН								
Monitoring Location Description	Effluent Gross	OSTEOPEN MEETING (CANADA CANADA C		CONTRACTOR OF THE PROPERTY OF						
Validation Check Comment	on Check Comment									
Control of the Contro										

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT! HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By

Date

00012226 + CN=Jorge Y Garcia

08 - 19 - 2011



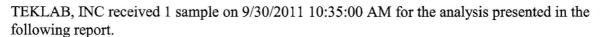
October 05, 2011

Jorge Garcia Chemetco 3754 Chemetco Lane Hartford, IL 62048

TEL: (618)254-4381 FAX: (618)254-0138

RE: NPDES #005

Dear Jorge Garcia:



Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling

Project Manager

(618)344-1004 ex 41

mdarling@teklabinc.com

Marin L. Darling I



WorkOrder: 11091270



#### Definitions

http://www.teklabinc.com/

Work Order: 11091270

Report Date: 05-Oct-11

Client: Chemetco

Client Project: NPDES #005

#### Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
  - DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
  - MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- **NELAP NELAP Accredited** 
  - PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
  - RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
  - RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
  - SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
  - Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count ( > 200 CFU )

#### Qualifiers

- # Unknown hydrocarbon
- E Value above quantitation range
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- H Holding times exceeded
- ND Not Detected at the Reporting Limit
  - S Spike Recovery outside recovery limits



### Case Narrative

http://www.teklabinc.com/

Work Order: 11091270

Report Date: 05-Oct-11

Client: Chemetco
Client Project: NPDES #005

Cooler Receipt Temp: 3.4 °C

#### **Locations and Accreditations**

Collinsville				Springfield			Kansas City		
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425		Address	3920 Pintail Dr Springfield, IL 6271	1-9415	Address	8421 Nieman Road Lenexa, KS 66214		
Phone	(618) 344-1004		Phone	(217) 698-1004		Phone	(913) 541-1998		
Fax	(618) 344-1005		Fax	(217) 698-1005		Fax	(913) 541-1998		
Email	jhriley@teklabinc.com		Email	kmcclain@teklabinc.com		kmcclain@teklabinc.com		Email	dthompson@teklabinc.com
State		Dept		Cert#	NELAP	Exp Date	Lab		
Illinois		IEPA		100226	NELAP	1/31/2012	Collinsville		
Kansas		KDHE		E-10374	NELAP	1/31/2012	Collinsville		
Louisia	na	LDEQ		166493	NELAP	6/30/2012	Collinsville		
Louisia	na	LDEQ		166578	NELAP	6/30/2012	Springfield		
Arkansa	as	ADEQ		88-0966		3/14/2012	Collinsville		
Illinois		IDPH		17584		4/30/2012	Collinsville		
Kentucl	ky	UST		0073		5/26/2012	Collinsville		
Missour	ri	MDNR		00930		4/13/2013	Collinsville		
Oklahoi	ma	ODEQ		9978		8/31/2012	Collinsville		



Client: Chemetco

Client Project: NPDES #005

## Laboratory Results

http://www.teklabinc.com/

Work Order: 11091270

Report Date: 05-Oct-11

Client Sample ID: NPDES #005

Collection Date: 09/30/2011 8:50

Lab ID: 11091270-001

Matrix: AQUEOUS	Collection Date: 09/30/2011 8:50								
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch	
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Hexane Extractable Material	NELAP	6		< 6	mg/L	1	10/04/2011 7:50	R155045	
EPA 600 350.1 R2.0 (TOTAL)									
Nitrogen, Ammonia (as N)	NELAP	0.10		< 0.10	mg/L	1	10/03/2011 13:09	R154990	
EPA 600 410.4									
Chemical Oxygen Demand	NELAP	50		55	mg/L	1	10/04/2011 9:55	R155018	
STANDARD METHOD 18TH E	D. 4500-H B, LABO	RATORY AN	ALYZED				2 Miles		
Lab pH	NELAP	1.00		9.37		1	10/04/2011 12:05	R155031	
STANDARD METHODS 18TH	ED. 2540 D								
Total Suspended Solids	NELAP	12		32	mg/L	2	09/30/2011 15:17	R154952	
STANDARD METHODS 18TH	ED. 5210 B	100							
Biochemical Oxygen Demand	NELAP	5		9	mg/L	1	09/30/2011 15:22	71643	
EPA 600 4.1.4, 200.7R4.4, ME	TALS BY ICP (TOTA	AL)							
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	10/04/2011 5:40	71685	
Barium	NELAP	0.0050		0.162	mg/L	1	10/04/2011 5:40	71685	
Cadmium	NELAP	0.0020		0.0036	mg/L	1	10/04/2011 5:40	71685	
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	10/04/2011 5:40	71685	
Copper	NELAP	0.0100		0.0474	mg/L	1	10/04/2011 5:40	71685	
Iron	NELAP	0.0200		0.169	mg/L	1	10/04/2011 5:40	71685	
Lead	NELAP	0.0400		0.0412	mg/L	1	10/04/2011 5:40	71685	
Manganese	NELAP	0.0050		0.127	mg/L	1	10/04/2011 5:40	71685	
Nickel	NELAP	0.0100		0.0193	mg/L	1	10/04/2011 5:40	71685	
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	10/04/2011 5:40	71685	
Silver	NELAP	0.0100		< 0.0100	mg/L	1	10/04/2011 5:40	71685	
Zinc	NELAP	0.0100		0.116	mg/L	11	10/04/2011 5:40	71685	



Water - pH acceptable upon receipt?

#### Receiving Check List

http://www.teklabinc.com/

Client: Chemetco Work Order: 11091270 Client Project: NPDES #005 Report Date: 05-Oct-11 Received By: BSJ Carrier: Dawn Brantley Completed by: Marin L. Darling II Elizabeth a Hurley Reviewed by: On: On: 30-Sep-11 30-Sep-11 Elizabeth A. Hurley Marvin L. Darling Pages to follow: Chain of custody Extra pages included 0 No 🗌 Not Present Shipping container/cooler in good condition? Yes Temp ℃ 3.4 Ice 🗸 Blue Ice Dry Ice Type of thermal preservation? None Yes 🗸 No 🗌 Chain of custody present? No 🗌 Yes 🗸 Chain of custody signed when relinquished and received? Yes 🗹 Chain of custody agrees with sample labels? Yes 🗸 No 🗍 Samples in proper container/bottle? Sample containers intact? Yes 🗸 No 🗔 Yes 🗸 No 🗌 Sufficient sample volume for indicated test? Yes 🗹 No 🗌 All samples received within holding time? Lab 🗸 Field ... NA Reported field parameters measured: Yes 🗹 No 🗔 Container/Temp Blank temperature in compliance? When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected. No VOA vials Water - vials have zero headspace? Yes \_ No L No TOX containers **V** Water - TOX containers have zero headspace? Yes No 🗌 Yes 🗹 No 🗌

Any No responses must be detailed below or on the COC.

Diving	Form

## **Teklab Chain of Custody**

Pg.		Workorder //09/1270
ry.	<del></del>	VVOINDIGGI

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005 Preserved in Lab Field

Preserved in Field Are the samples chilled?  $\nearrow$  Yes  $\subset$  No with:  $\subset$  Ice  $\nearrow$  Blue ice Chemetco CoolerTemp 3,4 Sampler Jorge Garcia 3754 Chemetco Lane Hartford 62048 IL. eMail: igarcia@chemetcoestate.com Comments Project: NPDES #005 Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn Jorge Garcia Phone (618) 254-4381 Requested Due Date NTAT eMail Billing/PO Contact see comments Oil & Grease 00 BOD Lab Use Sample ID Sample Date/Time Preservative Matrix 11091270 9-30-11 850 X X X X X X NPDES #005 Other Aqueous -001 Unpres Aqueous Date/Time Date/Time Relinquished By \* Received By 10.15

<sup>\*</sup> The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

WorkOrder: 11081298



September 06, 2011

Jorge Garcia Chemetco 3754 Chemetco Lane Hartford, IL 62048 TEL: (618)254-4381

TEL: (618)254-4381 FAX: (618)254-0138

RE: NPDES #005

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 8/31/2011 10:29:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth & Hurley

Project Manager

(618)344-1004 ex 33

ehurley@teklabinc.com



Client: Chemetco

#### Definitions

http://www.teklabinc.com/

Work Order: 11081298

Report Date: 06-Sep-11

Client Project: NPDES #005

#### Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
  - MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
  - PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
  - RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
  - RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
  - SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
  - Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count ( > 200 CFU )

#### **Qualifiers**

- # Unknown hydrocarbon
- E Value above quantitation range
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- H Holding times exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside recovery limits



### Case Narrative

http://www.teklabinc.com/

Work Order: 11081298

Report Date: 06-Sep-11

Client: Chemetco

Client Project: NPDES #005

Cooler Receipt Temp: 1.0 °C

#### Locations and Accreditations

	Collinsville			Springfield			Kansas City
Address	5445 Horseshoe Lake Road		Address	3920 Pintail Dr		Address	8421 Nieman Road
	Collinsville, IL 62234-7425			Springfield, IL 627	11-9415		Lenexa, KS 66214
Phone	(618) 344-1004		Phone	(217) 698-1004		Phone	(913) 541-1998
Fax	(618) 344-1005		Fax	(217) 698-1005		Fax	(913) 541-1998
Email	jhriley@teklabinc.com		Email	kmcclain@teklabinc.com		Email	dthompson@teklabinc.com
State		Dept		Cert #	NELAP	Exp Date	Lab
Illinois	S	IEPA		100226	NELAP	1/31/2012	Collinsville
Kansas	s	KDHE		E-10374	NELAP	1/31/2012	Collinsville
Louisia	ana	LDEQ		166493	NELAP	6/30/2012	Collinsville
Louisia	ana	LDEQ		166578	NELAP	6/30/2012	Springfield
Arkans	sas	ADEQ		88-0966		3/14/2012	Collinsville
Illinois	S	IDPH		17584		4/30/2012	Collinsville
Kentuc	cky	UST		0073		5/26/2012	Collinsville
Missou	ari	MDNR'		00930		4/13/2013	Collinsville
Oklaho	oma	ODEQ		9978		8/31/2012	Collinsville



## Laboratory Results

http://www.teklabinc.com/

Client: Chemetco

Work Order: 11081298

Client Project: NPDES #005

Report Date: 06-Sep-11

Lab ID: 11081298-001

Client Sample ID: NPDES #005

Matrix: AQUEOUS

Collection Date: 08/31/2011 9:00

		DI		TT •4	DE		D - 4 - 1
Analyses	Certification	RL (	Qual Result	Units	DF	Date Analyzed	Batch
EPA 1664A							
Hexane Extractable Material	NELAP	6	< 6	mg/L	1	09/01/2011 8:50	R153950
EPA 600 350.1 R2.0 (TOTAL)							
Nitrogen, Ammonia (as N)	NELAP	0.10	< 0.10	mg/L	1	08/31/2011 15:07	R153857
EPA 600 410.4					-		
Chemical Oxygen Demand	NELAP	50	67	mg/L	1	08/31/2011 14:25	R153875
STANDARD METHOD 18TH E	D. 4500-H B, LABO	RATORY ANAI	LYZED				
Lab pH	NELAP	1.00	9.26		1	09/01/2011 11:32	R153916
STANDARD METHODS 18TH	ED. 2540 D			1000			
Total Suspended Solids	NELAP	6	24	mg/L	1	08/31/2011 12:39	R153868
STANDARD METHODS 18TH	ED. 5210 B				,		
Biochemical Oxygen Demand	NELAP	5	8	mg/L	1	08/31/2011 14:01	70905
EPA 600 4.1.4, 200.7R4.4, ME	TALS BY ICP (TOTA	(L)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Arsenic	NELAP	0.0250	0.0287	mg/L	1	09/02/2011 5:25	70900
Barium	NELAP	0.0050	0.0618	mg/L	1	09/02/2011 5:25	70900
Cadmium	NELAP	0.0020	< 0.0020	mg/L	1	09/02/2011 5:25	70900
Chromium	NELAP	0.0100	< 0.0100	mg/L	1	09/02/2011 5:25	70900
Copper	NELAP	0.0100	0.0263	mg/L	1	09/02/2011 5:25	70900
Iron	NELAP	0.0200	0.0755	mg/L	1	09/02/2011 5:25	70900
Lead	NELAP	0.0400	< 0.0400	mg/L	1	09/02/2011 5:25	70900
Manganese	NELAP	0.0050	0.146	mg/L	1	09/02/2011 5:25	70900
Nickel	NELAP	0.0100	0.0146	mg/L	1	09/02/2011 5:25	70900
Selenium	NELAP	0.0500	< 0.0500	mg/L	1	09/02/2011 5:25	70900
Silver	NELAP	0.0100	< 0.0100	mg/L	1	09/02/2011 5:25	70900
Zinc	NELAP	0.0100	0.0357	mg/L	1	09/02/2011 5:25	70900



## Receiving Check List

http://www.teklabinc.com/

Client: Chemetco	Wo	ork Order: 11081298		
Client Project: NPDES #005			Re	port Date: 06-Sep-11
Carrier: Dawn Brantley  Completed by: Marvin L. Darling  On:  31-Aug-11  Marvin L. Darling		ıg-11	M Elizabeth A. Hurley	0
Pages to follow: Chain of custody i  Shipping container/cooler in good condition?  Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time? Reported field parameters measured: Container/Temp Blank temperature in compliance?  When thermal preservation is required, samples are compliand 0.1°C - 6.0°C, or when samples are received on ice the same		No	Not Present Blue Ice NA	☐ Temp °C 1.0 ☐ Dry Ice ☐
Water - vials have zero headspace? Water - TOX containers have zero headspace? Water - pH acceptable upon receipt?  Any No responses receipts	Yes ☐ Yes ☐ Yes ✔  The second of the second	No N	No VOA vials No TOX containers	<b>✓</b>
		or on the C		

Print Form		E44E Hayaaahaa La		ab Chai				1004	Fa/619\0	44 100		/of_/	Wo	rkorder	11081	20,8
Chemetco		5445 Horseshoe La	Are the sample									Preserve	ed in 🦯	Lab	& F	
3754 Chemeto	o Lane		Cooler Temp	1.0 Sam	pler	Jorge (	Garcia									3111
Hartford		IL 62048	- managata	eMail: jga	rcia@che	metco	estate.	com	A		- Anthony					
Project: NPDE	S # <b>00</b> 5	Comments	Comments  Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn													
Contact Jo	rge Garcia	eMail see comm	ents Pho	ne (618) 25	4-4381	Reque	sted D	ue Date	NTAT		Bi <b>ll</b> ing	/PO				and the second second second
Lab Use	Sample ID	Sample Date/Tin	ne Preservative	Matrix	BOD	T5S	Hd	Metals	Oil & Grease	Ammonia	200					
-col	NPDES #005	8-31-11	Other	Aqueous		×	X	X	X	×	X					
entre messar d'Édution Tr			Unpres	Aqueous												
			Unpres	Aqueous												
res to constitution			Unpres	Aqueous												
funds attended att			Unpres	Aqueous												
Processor at the Control of the Cont			Unpres	Aqueous												
			Unpres	Aqueous												
A TOTAL STATE OF THE STATE OF T			Unpres	Aqueous												
	Relinquished E	Date/Ti	me		<u> </u>		Recei	ved By					Date/	Time		
Low Darcin			8-31-11 8/31/11 10	10:10	6	X Ja							8/31/	11	102	

<sup>\*</sup> The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

WorkOrder: 11080097



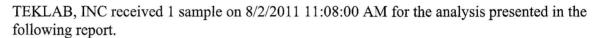
August 09, 2011

Jorge Garcia Chemetco 3754 Chemetco Lane Hartford, IL 62048

TEL: (618)254-4381 FAX: (618)254-0138

RE: NPDES #005

Dear Jorge Garcia:



Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth a Hurley

Project Manager

(618)344-1004 ex 33

ehurley@teklabinc.com



Client: Chemetco

### Definitions

http://www.teklabinc.com/

Work Order: 11080097

Report Date: 09-Aug-11

Client Project: NPDES #005

#### Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
  - MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
  - PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
  - RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
  - RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
  - SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
  - Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count ( > 200 CFU )

### Qualifiers

- # Unknown hydrocarbon
- E Value above quantitation range
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

- B Analyte detected in associated Method Blank
- H Holding times exceeded
- ND Not Detected at the Reporting Limit
  - S Spike Recovery outside recovery limits



### Case Narrative

http://www.teklabinc.com/

Work Order: 11080097

Report Date: 09-Aug-11

Client: Chemetco
Client Project: NPDES #005

Cooler Receipt Temp: 26.4 °C

### Locations and Accreditations

*************	Collinsville			Springfield			Kansas City
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425		Address 3920 Pintail Dr Springfield, IL 62711-9415			Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004		Phone	(217) 698-1004		Phone	(913) 541-1998
Fax	(618) 344-1005		Fax	(217) 698-1005		Fax	(913) 541-1998
Email	jhriley@teklabinc.com		Email	kmcclain@teklabinc	.com	Email	dthompson@teklabinc.com
State		Dept	_	Cert #	NELAP	Exp Date	Lab
Illinois		IEPA		100226	NELAP	1/31/2012	Collinsville
Kansas	1	KDHE		E-10374	NELAP	1/31/2012	Collinsville
Louisia	nna	LDEQ		166493	NELAP	6/30/2012	Collinsville
Louisia	ana	LDEQ		166578	NELAP	6/30/2012	Springfield
Arkans	as	ADEQ		88-0966		3/14/2012	Collinsville
Illinois		IDPH		17584		4/30/2012	Collinsville
Kentuc	ky	UST		0073		5/26/2012	Collinsville
Missou	ri	MDNR		00930		4/13/2013	Collinsville
Oklaho	oma	ODEQ		9978		8/31/2011	Collinsville



## Laboratory Results

http://www.teklabinc.com/

Client: Chemetco

Work Order: 11080097

Client Project: NPDES #005

Report Date: 09-Aug-11

Lab ID: 11080097-001

Client Sample ID: NPDES #005

Matrix: AQUEOUS

Collection Date: 08/02/2011 10:30

Manix: AQUEOUS				Concention	Date. 00/	02/2011	10.30	
Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A				COMMITTEE TO COMMITTEE AND COMMITTEE TO COMI				
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	08/03/2011 11:07	R152678
EPA 600 350.1 R2.0 (TOTAL)						-		
Nitrogen, Ammonia (as N)	NELAP	0.10	ě1	< 0.10	mg/L	1	08/03/2011 10:31	R152744
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		61	mg/L	1	08/04/2011 9:43	R152756
STANDARD METHOD 18TH E	D. 4500-H B, LABOI	RATORY AN	ALYZED					
Lab pH	NELAP	1.00		9.59		1	08/02/2011 18:28	R152664
STANDARD METHODS 18TH	ED. 2540 D							
Total Suspended Solids	NELAP	6		12	mg/L	1	08/03/2011 11:00	R152712
STANDARD METHODS 18TH	ED. 5210 B							
Biochemical Oxygen Demand	NELAP	5		13	mg/L	1	08/03/2011 14:50	70129
EPA 600 4.1.4, 200.7R4.4, ME	TALS BY ICP (TOTA	(L)						
Arsenic	NELAP	0.0250		0.0352	mg/L	1	08/03/2011 17:03	70085
Barium	NELAP	0.0050		0.0683	mg/L	1	08/03/2011 17:03	70085
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	08/03/2011 17:03	70085
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	08/03/2011 17:03	70085
Copper	NELAP	0.0100		0.0703	mg/L	1	08/03/2011 17:03	70085
Iron	NELAP	0.0200		0.182	mg/L	1	08/03/2011 17:03	70085
Lead	NELAP	0.0400		0.0727	mg/L	1	08/03/2011 17:03	70085
Manganese	NELAP	0.0050		0.0515	mg/L	1	08/03/2011 17:03	70085
Nickel	NELAP	0.0100		0.0176	mg/L	1	08/03/2011 17:03	70085
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	08/03/2011 17:03	
Silver	NELAP	0.0100		< 0.0100	mg/L	1	08/08/2011 15:56	
Zinc	NELAP	0.0100		0.0646	mg/L	11	08/03/2011 17:03	70085



## Receiving Check List

http://www.teklabinc.com/

Client: Chemetco		Wo	rk Order: 11080097
Client Project: NPDES #005		Rep	oort Date: 09-Aug-11
Carrier: Dawn Brantley  Completed by: On:  02-Aug-11  Timothy W. Mathis	Received By: TW Reviewed by: On: 02-Aug-11	VM Elizabeth A. Hurley	Hurley
Pages to follow: Chain of custody  Shipping container/cooler in good condition? Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time? Reported field parameters measured: Container/Temp Blank temperature in compliance?  When thermal preservation is required, samples are complian.	Extra pages included  Yes  No  No  No  No  No  No  No  No  No  N	Not Present Blue Ice	☐ Temp °C 26.4 ✓ Dry Ice ☐
0.1°C - 6.0°C, or when samples are received on ice the same Water - vials have zero headspace?  Water - TOX containers have zero headspace?  Water - pH acceptable upon receipt?		No VOA vials No TOX containers	<b>∨</b>

Print For	m		Teklab (	Chain of (	Custody	,		P	gof	Workorder	11080097
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<sup>\*</sup> The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

3<sup>rd</sup> Quarter 2011 Progress Report Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)) November 4, 2011 Page 31 of 31

## **APPENDIX**E

## **Monthly Security Action Item Reports**

# Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048 Office: (618) 254-4381 x372 •Fax: (618) 254-0138 igarcia@chemetcoestate.com

July 25, 2011

Michelle Kerr Attn: SR-6J Remedial Project Manager US EPA Region 5 Superfund Division 77 W. Jackson Blvd. SRF 6J Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the July Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on June 30, 2011.

On Thursday July 21, 2011, he Estate received a draft work schedule outlining the completion of the demolition activities. AIS indicated that the schedule would be finalized in the next few days. Once the work schedule is finalized, the Estate will incorporate the revised work schedule and incorporate the changes to the Estate's schedule to identify estimated time to restore the security action items that are part of the "Security Action Report". The next monthly report is due by August 31, 2011.

The Status of Action Items will be updated and continue to be issued on a monthly basis until all security related items have been resolved. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely, ESTATE OF CHEMETCO, INC.

Joseph Filosophia

Jorge Y. Garcia PG Project Coordinator/EH&S Manager

CC: Pamela Molitor, USEPA
Donald M. Samson, Trustee
Penni S. Livingston, Livingston Law Firm
Elliott Stegin, IAD-Paradigm
Chris Cahnovsky, IEPA-Collinsville
Erin Rednour, IEPA-Springfield
James Morgan, IAGO

# Estate of Chemetco, Inc.

3754 Chemetco Lane ● Hartford, IL 62048 Office: (618) 254-4381 x372 ●Fax: (618) 254-0138 jgarcia@chemetcoestate.com

August 31, 2011

Michelle Kerr Attn: SR-6J Remedial Project Manager US EPA Region 5 Superfund Division 77 W. Jackson Blvd. SRF 6J Chicago, IL 60604

Re: Revised Schedule to Restore Security Plan Measures at the Estate of Chemetco Facility

### Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting a revised letter. schedule (see enclosed attachment) to restore the security conditions as part of the "Security Plan and Action Items" monthly reports.

As you're aware, American Integrated Services (AIS) resumed demolition activities at the Chemetco Site on July 15, 2011 of the 3<sup>rd</sup> Quarter 2011. According to AIS, the estimated time to complete the demolition activities should be approximately 3 to 4 months.

The enclosed schedule summarizes the action items necessary to restore the security conditions that were in place prior to the beginning of demolition activities and prior to cutting electric power off. To date, the Site is operating during working hours with the support of temporary/portable generators.

The Estate plan to address the security items as follows:

### **Demolition Activities**

Demolition Activities should be completed in approximately 3-4 months.

### Site Power

Power was shut off and disconnected in anticipation of demolishing the foundry building. Currently power is temporarily provided by the use of generators. These generators run on diesel and currently are being used during normal working hours or longer when needed on a limited basis due to the high cost of diesel fuel.

Power will continue to be shut down until all the demolition activities are completed. After completion of demolition activities, power will be restored, and conduit electrical lines will need to be rewired for the future process units located in the tank house and maintenance shop building.

Estimated time to complete rewiring and power restoration is approximately 2-3 months after completion of demolition activities under the approved Demolition Plan.

Lighting

The existing lights that were in place prior to demolition will continue to be used. It is possible that location of lights may need to be adjusted and/or rewired.

Estimated time to tie existing wiring to new power source (transformer) is approximately 1-2 weeks.

Gates

Existing gates and signage are properly set in place. No changes and/or modifications are required.

Security Cameras

The existing cameras that were in place prior to demolition will be used. The security cameras will require tie in to new power and trouble shooting to ensure they are working properly after being down for a period oftime. Prior to power shutdown, a couple of security cameras were not functioning properly.

Estimated time to tie to new power source (transformer) and troubleshoot cameras is approximately 2-4 weeks.

Alarm System

No changes were made to the existing alarm system. No changes and/or modifications are required.

Vegetation Perimeter Up keeping

No changes were made to up keeping of vegetation perimeter. Up keeping of vegetation will continue periodically as needed and/or warranted. No changes and/or modifications are required.

**On-Site Security** 

When the electric power was shut off, the Estate increased on-site security by adding an additional security guard and an additional shift to compensate for not having available the use of security cameras and lighting. Upon restoring electric power and above items, the Estate plans to restore site security to one shift and one security guard.

Estimated time to switch back from two shifts and two security guards to a single shift and one security guard is approximately 1-2 days.

Coordination with local police/ emergency personnel

Continue submitting Contingency plans to local police and emergency personnel on an annual basis. No changes required at this time.

The Status of Action Items will be updated and continue to be issued on a monthly basis until all security related items have been resolved. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,

ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia PG

Project Coordinator/EH&S Manager

### Attachment

CC: Donald M. Samson, Trustee Penni S. Livingston, Livingston Law Firm Elliott Stegin, IAD/Paradigm Chris Cahnovsky, IEPA-Collinsville Erin Rednour, IEPA-Springfield James Morgan, IAGO

ID I	Task Name	Duration	Start	Finish			3rd Quarter			4ti	h Quarter			1st	Quarter		2nd Qua
153	Control of the contro				May	Jun	Jul	Aug	Sep	<b>)</b>	Oct	Nov	D	ec	Jan	Feb	Mar Apr
7 <u>S</u> s	Demolition Activities	95 days	Tue 7/12/11	Mon 11/21/11			1	.,	I.,	A 1905 S. F		1					
2 🗀	Site Security	180 days	Tue 8/23/11	Mon 4/30/12				Q.		and the specification of the specific to a page to be	engles superior and the	بهنو سمدته ومدوسه وسادت	وواسي ومحادث ويستني والموادر	and the second of the second o	and the second s		موضعه مصدا السبوب الضويرة والإجوارية والوازية والمارة والمعاودة والمسادة والمسادة
3 🗀	Restore Power	90 days	Mon 11/28/11	Fri 3/30/12									Contradictión de	alle last althought to	activity State Continued	and Colorado and Color	de de la constante de la const
4	Lighting	10 days	Mon 4/2/12	Fri 4/13/12													taid
5 🗀	Gates	1 day	Tue 11/22/11	Tue 11/22/11					1			ď.					
6	Re-establish Security Cameras	20 days	Fri 3/30/12	Thu 4/26/12													Charles Laboratoria
7 国心	Vegetation Up keeping	186 days	Fri 7/15/11	Fri 3/30/12													
8	On site Security	2 days	Fri 3/30/12	Mon 4/2/12													9
9	Alarm System	1 day	Fri 3/30/12	Fri 3/30/12													
10 _급	Coordination with local police and emergency personnel	1 day	Fri 9/30/11	Fri 9/30/11						<b>(a)</b>							

Estate of Chemetco Date: Wed 8/31/11	Task	(and posterior at the contract of the contract	Progress		Summary		External Tasks		Deadline	Ŷ	
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Page 1											

# Estate of Chemetco, Inc.

3754 Chemetco Lane ● Hartford, IL 62048 Office: (618) 254-4381 x372 ●Fax: (618) 254-0138 jgarcia@chemetcoestate.com

October 3, 2011

Michelle Kerr Attn: SR-6J Remedial Project Manager US EPA Region 5 Superfund Division 77 W. Jackson Blvd. SRF 6J Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the September Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on August 31, 2011.

As you're well aware off, American Integrated Services (AIS) removed the overhead Manifold from the Foundry Building the week of September 12, 2011. Since then, the Foundry Building is being dismantled and we're having scrap metal containers being dropped off and picked up, as such, the gate remained open. On Tuesday September 27, 2011 we had a pickup truck and two men driving in through the gates after the Estate explicitly told them that onsite entry was off limits. As the Estate personnel chased the tuck down, it took the truck license plate number; at that point the truck quickly exited through the gate and left the site.

In order to prevent future recurrences, the gate will be kept closed and only opened to allow trucks to come in. Because the containers are being "live" loaded, the gate will be guarded until the truck comes out. At that point, the gate will be locked until the next truck arrives. There are no further action items to report. The next monthly report is due by October 31, 2011.

The Status of Action Items will be updated and continue to be issued on a monthly basis until all security related items have been resolved. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely, ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia PG

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Project Coordinator/EH&S Manager

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